

Plaintiffs' Cross-Notice of Remote Deposition  
and Non-Retained Expert Witness Disclosure of  
Dr. Rahul Gupta

# Exhibit 2

Gupta Deposition  
September 11, 2020

IN THE UNITED STATES DISTRICT COURT  
FOR THE SOUTHERN DISTRICT OF WEST VIRGINIA

\* \* \* \* \*

THE CITY OF HUNTINGTON,

Plaintiff,

vs.

CIVIL ACTION  
NO. 3:17-01362

AMERISOURCEBERGEN DRUG  
CORPORATION, et al.,  
Defendants.

\_\_\_\_\_  
CABELL COUNTY COMMISSION,  
Plaintiff,

vs.

CIVIL ACTION  
NO. 3:17-01665

AMERISOURCEBERGEN DRUG  
CORPORATION, et al.,  
Defendants.

\* \* \* \* \*

Videotaped and videoconference deposition  
of RAHUL GUPTA, M.D., taken by the Defendants under  
the Federal Rules of Civil Procedure in the above-  
entitled action, pursuant to notice, before Teresa  
S. Evans, a Registered Merit Reporter, all parties  
located remotely, on the 11th day of September,  
2020.

APPEARANCES:

APPEARING FOR THE PLAINTIFFS:

Anne McGinness Kearse, Esquire  
Monique Christenson, Esquire  
MOTLEY RICE  
28 Bridgeside Boulevard  
Mt. Pleasant, SC 29464

Paul T. Farrell, Jr., Esquire  
FARRELL LAW  
422 Ninth Street  
3rd Floor  
Huntington, WV 25714-1180

APPEARING FOR THE DEFENDANT CARDINAL HEALTH:

Jyoti Jindal, Esquire  
WILLIAMS & CONNOLLY  
725 Twelfth Street, N.W.  
Washington, DC 20005

Steven R. Ruby, Esquire  
David R. Pogue, Esquire  
CAREY, DOUGLAS, KESSLER & RUBY  
901 Chase Tower  
707 Virginia Street, East  
Charleston, WV 25323

APPEARING FOR THE DEFENDANT MCKESSON CORPORATION:

James A. Goold, Esquire  
Nicole Antione, Esquire  
COVINGTON & BURLING  
One City Center  
850 Tenth Street NW  
Washington, DC 20001

1 APPEARANCES (Contd.)

2 APPEARING FOR THE DEPONENT:

3 Mark Colantonio, Esquire  
4 Robert Fitzsimmons, Esquire  
FITZSIMMONS LAW FIRM  
5 1609 Warwood Avenue  
Wheeling, WV 26003

6 ALSO PRESENT:

7 Adam Hager, Videographer  
8 Hunter Shkolnik, Esquire  
9 Lauren Mahaney, Esquire

10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24

EXAMINATION INDEX

BY MS. JINDAL	9
BY MR. COLANTONIO	115
BY MS. KEARSE	181
BY MS. JINDAL	188
BY MR. GOOLD	328
BY MS. JINDAL	338

## EXHIBIT INDEX

1			
2			
3	Exhibit 1	Deposition transcript of Dr.	12
4		Gupta dated 8-16-16, State of WV	
5		ex rel v. AmerisourceBergen, et	
6		al., Circuit Court of Boone	
7		County, WV, Civil Action No,	
8		12-C-141	
9			
10	Exhibit 4	E-mail from Haddy to Haddy and	299
11		others Re: WV HAN #128 Novel	
12		Opiates dated 12-13-16 with	
13		"Health Advisory #128 Novel	
14		Opiates" attached	
15			
16	Exhibit 5	E-mail from Massey to Kilkenney	295
17		Re: MMWR dated 5-27-17 with	
18		"Public Health Investigation of	
19		an Opioid Overdose Outbreak -	
20		West Virginia, August 2016"	
21		attached	
22	Exhibit 14	E-mail from Gupta to Mock and	308
23		Taylor Re: Presentation dated	
24		4-4-17 and E-mail from Richman	
		to Boggs Re: April 4th - MCMS	
		dated 3-29-17	
		(DHHR_FEDWV_0038760)	
	Exhibit 15	"2017 Legislation and Substance	308
		Use Disorder Epidemic: West	
		Virginia's Call to Action" by	
		Gupta dated 4-4-17	
		(DHHR_FEDWV_0038761)	
	Exhibit 16	E-mail from Christy to Wagoner	303
		and others Re: GUPTA DATA NEEDS	
		UPDATED - Social Worker	
		Conference (next week) dated	
		4-21-17 (DHHR_FEDWV_0047102)	
	Exhibit 17	"West Virginia's Contemporary	303
		Public Health Challenge: Drug	
		Overdose Deaths" by Gupta dated	
		4-29-17	

## EXHIBIT INDEX (Contd.)

Exhibit 20	E-mail chain between Gupta and others Re: MEDIA REQUEST = Fatal overdose victims by county and where they were from dated 9-27-17 to 9-29-17	339
Exhibit 37	E-mail chain between Melton, Gupta and others Re: Overdose Death Investigations dated 3-26&27-18 with 2016 West Virginia Overdose Fatality Analysis attached (DHHR_FEDWV_0317258-322)	246
Exhibit 38	Gupta testimony before the House Oversight and Government Reform Committee entitled "A Sustainable Solution to the Evolving Opioid Crisis: Revitalizing the Office of National Drug Control Policy" dated 5-17-18 (DHHR_FEDWV_0391628-651)	254
Exhibit 45	E-mail from Dora to Gupta and others Re: 2018.07.05 Final packet mailed to Judges re MAT dated 7-5-18 (DHHR_FEDWV_1148108-126)	313
Exhibit 51	Resume of Rahul Gupta, MD, MPH, MBA, FACP (WVSMA_FEDWV_00039036-091)	60
Exhibit 54	"State of Health" presentation by Rahul Gupta, MD, MPH, MBA, FACP dated 10-26-18 (CT2_RGupta000919-966)	99
Exhibit 56	"Notice of Plaintiffs' Preliminary Witness List," U.S. Dist. Ct. Case No. 3:17-01362 filed 6-3-20	23

1 P R O C E E D I N G S

2 VIDEO OPERATOR: Good morning. We are  
3 going on the record at 9:04 a.m. on September the  
4 11th, 2020. Please note that microphones are  
5 sensitive and may pick up whispering, private  
6 conversations and cellular interference. Please  
7 turn off all cell phones or place them away from  
8 the microphones as they can interfere with the  
9 deposition audio.

10 Audio and video recording will continue  
11 to take place unless all parties agree to go off  
12 the record.

13 This is Media Unit 1 of the video  
14 recorded deposition of Rahul Gupta, M.D., taken by  
15 counsel for the Defendants in the matter of City of  
16 Huntington and Cabell County Commission versus  
17 AmerisourceBergen Drug Corporation, et al, filed in  
18 the United States District Court for the Southern  
19 District of West Virginia, being Civil Action Nos.  
20 3:17-01362 and 3:17-01665.

21 This deposition is being conducted  
22 remotely via Zoom conferencing. My name is Adam  
23 Hager from the firm Veritext and I'm the  
24 videographer. The court reporter is Teresa Evans



1 from the firm Veritext.

2 I am not authorized to administer an  
3 oath; I'm not related to any party in this action;  
4 nor am I financially interested in the outcome.

5 Counsel and all present in the room and  
6 everyone attending remotely will now state their  
7 appearances and affiliations for the record.

8 If there are any objections to  
9 proceeding, please state them at the time of your  
10 appearance, beginning with the noticing attorney.

11 MS. JINDAL: Jyoti Jindal with  
12 Williams & Connolly on behalf of Cardinal Health.

13 MR. RUBY: And Steve Ruby and David  
14 Pogue also for Cardinal Health.

15 MR. GOOLD: James Goold, Covington  
16 & Burling and Nicole Antonine from Covington  
17 & Burling for McKesson Corp.

18 MR. FARRELL: Paul Farrell, Jr. and  
19 Anne Kearse for Plaintiffs.

20 MR. COLANTONIO: Mark Colantonio, Bob  
21 Fitzsimmons representing Doctor Gupta for purposes  
22 of this deposition.

23 VIDEO OPERATOR: If there are no  
24 further appearances to be noted, would the court

1 reporter please swear the witness?

2 (The witness was sworn.)

3 VIDEO OPERATOR: Please begin.

4 R A H U L G U P T A , M. D.

5 was called as a witness by the Defendant, and  
6 having been first duly sworn, testified as follows:

7 EXAMINATION

8 BY MS. JINDAL:

9 Q. Good morning, Doctor Gupta. We met just a  
10 little bit ago, but I'm going to introduce myself  
11 again right now. I am Jyoti Jindal and I am the  
12 attorney for Cardinal Health, one of the defendants  
13 in this lawsuit.

14 I understand that you are former State  
15 Health Officer and Commissioner of the Bureau of  
16 Public Health in West Virginia.

17 Before we get into your work for those  
18 roles, I have a few preliminary questions. Have  
19 you ever testified under oath before?

20 A. Yes.

21 Q. How many times?

22 A. I would say one time that I can recollect  
23 in the last three years or so. Prior to that, I  
24 may have two to four times or two or three times.

1 I do not have specific recollection.

2 Q. And in the last -- before we get into the  
3 most recent time you testified, those previous  
4 times, was that at trial?

5 A. Previous was a deposition.

6 Q. Uh-huh. The two to four times that you  
7 mentioned before the most recent time, were those  
8 at trial?

9 A. They were depositions, and there was one  
10 trial also.

11 Q. Okay. And was -- do you recall the nature  
12 of those cases?

13 A. The ones that I can recall right now  
14 included my deposition in the Attorney General of  
15 West Virginia versus AmerisourceBergen. There was  
16 one of plaintiffs against West Virginia-American  
17 Water.

18 There was one that I was deposed for --  
19 I believe it was related to Bayer a while back,  
20 it's difficult to recognize -- remember.

21 And then there was maybe one or two  
22 that would have related more of -- one, of a  
23 personal nature, related to my spouse.

24 Q. I see. Of the ones that you mentioned

1 regarding Bayer, what was the nature of your  
2 testimony in that case, if you recall? Just at a  
3 high level.

4 A. Public health.

5 Q. Okay. And was that also the case with the  
6 water case that you mentioned?

7 A. It was related to the 2014 West Virginia  
8 water crisis.

9 Q. Okay. And were -- in both of those cases,  
10 were you testifying on behalf of the plaintiffs or  
11 defendants or neither party?

12 A. Plaintiffs.

13 Q. Were you an expert in those cases?

14 A. I believe not. Although in the West  
15 Virginia water crisis, I was the local health  
16 officer in charge of that, so I would not be clear  
17 -- I would not be sure at this point whether I was  
18 testifying on behalf of the plaintiffs or actually  
19 I believe to be that my testimony was based on my  
20 knowledge and dealings during the crisis more so  
21 than being on behalf of one side or the other.

22 Q. Uh-huh. And you say you also testified in  
23 the West Virginia case against AmerisourceBergen.  
24 Was that in 2016, sir?

1 A. I believe so.

2 Q. Okay. Could you please open Exhibit 1?

3 GUPTA DEPOSITION EXHIBIT NO. 1

4 (Deposition transcript of Dr. Gupta  
5 dated 8-16-16, State of WV ex rel v.  
6 AmerisourceBergen, et al., Circuit  
7 Court of Boone County, WV, Civil  
8 Action No, 12-C-141 was marked for  
9 identification purposes as Gupta  
10 Deposition Exhibit No. 1.

11 MR. COLANTONIO: Okay, go ahead.

12 Q. Doctor Gupta, is this a transcript of your  
13 2016 testimony in the West Virginia versus  
14 AmerisourceBergen case?

15 A. I can go through it.

16 MR. COLANTONIO: While the doctor is  
17 going through that, I just want to note for the  
18 record that this copy of the deposition does not  
19 have a signed errata sheet, so I'm not sure if that  
20 was ever done, but this one that's being offered is  
21 not signed.

22 A. So this seems in testimony familiar to --  
23 and the time frame is familiar to my deposition.  
24 However, I have not read through this deposition so

1 I cannot ascertain to the validity of my responses  
2 as of right now.

3 Q. Sure. I'm not asking you to determine the  
4 validity of your responses, but do you have any  
5 reason to doubt that it is not a true and accurate  
6 copy of your testimony in that case?

7 A. I do not believe I have had a chance to  
8 review and correct any errors, so I would not be  
9 able to provide that opinion at this time.

10 Q. Okay. All right. You can go ahead and set  
11 Exhibit 1 aside for now.

12 Do you -- so because you've testified  
13 under oath before, I under -- I would expect that  
14 you understand what that means. Correct?

15 A. Yes.

16 Q. And so you know that it's the same oath  
17 that you'd give if we were in a courtroom in front  
18 of a judge?

19 A. Yes.

20 Q. And my questions today are about what you  
21 know to the best of your ability, not about what  
22 your lawyers know. So -- or what they've told you.  
23 And is there any reason why you may not be able to  
24 testify accurately and fully today?

1 A. Not to my knowledge.

2 Q. I'm going to do my best to make my  
3 questions clear and presentable -- I'm sorry,  
4 understandable. Off to a great start here.

5 So if you ever need clarification or  
6 you want me to rephrase my question, just let me  
7 know. Okay?

8 A. Yes.

9 Q. And as your lawyers may have already told  
10 you, it's important that only one of us speak at a  
11 time so that the court reporter can keep track of  
12 everything. I'll do my best not to start my next  
13 question until you finish your answer, and please  
14 just -- I ask that you wait until I finish my  
15 question before you begin your answer.

16 Can we agree to do that?

17 A. Yes.

18 Q. And if I make a mistake in that regard and  
19 cut you off, just let me know and we'll fix that.

20 A. Understand.

21 Q. You received a sealed box prior to the  
22 start of this deposition. Correct?

23 MR. COLANTONIO: Well, the -- this is  
24 --

1 Q. Your lawyer --

2 MR. COLANTONIO: The attorneys  
3 received -- his attorneys received a sealed box,  
4 and we delivered them to the doctor here today.

5 MS. JINDAL: Okay.

6 Q. And that box, as you've already become  
7 aware, contains documents that we're going to  
8 review today. Pursuant to the deposition protocol  
9 in this case, you and your lawyer may not review  
10 any of those documents until I ask you to do so.  
11 Do you understand?

12 A. Understood.

13 Q. Doctor Gupta, what did you do to prepare  
14 for this deposition?

15 A. I had spoken to my attorneys to understand  
16 what the deposition would be about.

17 I was also able to - on the request -  
18 provide documentations that were requested in the  
19 subpoena, so in that process, I was able to seek,  
20 find, review and provide, including providing the  
21 technological - including scanning, and copying and  
22 other measures - to be able to provide that to you  
23 and to my attorneys.

24 Q. Thank you, Doctor. You said you've met



1 with your attorneys -- I'm sorry, you said you  
2 spoke to your attorneys. How many times did you  
3 speak to them?

4 A. I spoke to my attorneys yesterday, and  
5 there may have been a few other times for very  
6 brief chats, for questions I may have had in the  
7 past as well.

8 Q. And who were those attorneys?

9 A. That's Mark Colantonio, and yesterday I was  
10 able to also speak with Bob Fitzsimmons.

11 Q. Anyone else?

12 A. No.

13 Q. You said you met with them for a few short  
14 times previously. How long did you meet with them  
15 yesterday?

16 A. So I met with them yesterday for, I would  
17 say, about approximately five to six hours, and  
18 prior to that, I did not meet with them. I had  
19 brief phone calls. And that was with Mark.

20 Q. And approximately how long did those phone  
21 calls last?

22 A. They could last anywhere between five  
23 seconds to 15 minutes, and that's a range.

24 Q. And other than Mr. Colantonio and

1 Mr. Fitzsimmons, did you have any conversations  
2 with the lawyers for either Cabell County or the  
3 City of Huntington in this case?

4 A. I did not. However, I would like to  
5 qualify that with the fact that I do recollect  
6 receiving e-mails for contact -- this was a while  
7 back, so I do not exactly know the time/dates.

8 Q. Do you recall what those e-mails were  
9 about?

10 A. Some would be about establishing or  
11 attempting to establish contact.

12 Q. Did you respond to those e-mails?

13 A. I may have on an occasion provided a  
14 courteous response, but there was no - that I can  
15 remember - conversations that continued beyond  
16 that.

17 Q. Okay. And in your meeting yesterday with  
18 Mr. Colantonio and Mr. Fitzsimmons, what did you do  
19 to prepare?

20 MR. COLANTONIO: Let me just object.  
21 I think that that goes beyond the scope of what's  
22 permissible and gets into attorney/client  
23 privileged information, so unless you would give me  
24 a good reason why he should answer, I'm going to

1 instruct him not to answer.

2 MS. JINDAL: Let me rephrase my  
3 question.

4 Q. During your preparation yesterday -- or  
5 your meeting yesterday, did you review any  
6 documents?

7 A. No.

8 Q. Have you read the Complaint in this case?

9 A. I have not.

10 Q. Do you know what the Complaint is? I just  
11 want to make sure you understand that question  
12 fully.

13 A. I understand broadly based on my prior  
14 experience with depositions and being the  
15 Commissioner as well as public reports what that  
16 would be. However, I've had not had an opportunity  
17 to specifically read this particular Complaint.

18 Q. Aside from your time with your attorney  
19 yesterday, did you review any documents on your own  
20 in preparing for this deposition?

21 MR. COLANTONIO: Just to be clear, I  
22 think he's already testified when the assimilated  
23 documents, he had a chance to review the things  
24 that we sent you all. So I just wanted to make

1       sure that -- he's already said that.

2                   MS. JINDAL: Right. And I'm sorry, I  
3       understood that as to be a review for  
4       responsiveness and to satisfy -- you know, in  
5       response to a subpoena.

6                   I'm asking whether he reviewed any  
7       documents specifically in preparation for this  
8       deposition today.

9           A. I will answer it as this: I reviewed the  
10      documents, including conducting the search for and  
11      ensuring that those documents pertained to the  
12      request that was made, and that included not just  
13      review, but also making copies or scanning them in,  
14      providing them to you.

15      Q. And did any of those documents refresh your  
16      recollection about the work you did as  
17      Commissioner?

18      A. Yes.

19      Q. Which documents were those?

20      A. The last time I reviewed those documents  
21      was several weeks ago, so I would be happy to go  
22      through them if I would be allowed to remember that  
23      again.

24      Q. Okay. So you don't recall right now the

1 documents -- is it fair to say that the documents  
2 you produced in response to the subpoena refreshed  
3 your recollection about your work as Commissioner?

4 A. They may have. I cannot say that at this  
5 point without having to take another look at those  
6 documents.

7 Q. Did you review any deposition transcripts?

8 A. I did not.

9 Q. And outside of your meetings with your  
10 attorneys, did you talk to anyone about the  
11 substance of this deposition?

12 A. No.

13 Q. And in searching for documents in response  
14 to the subpoena, what did you do?

15 A. I'm sorry, could you repeat that, please?

16 Q. Sure. You testified that you were made  
17 aware of the subpoena, that you collected  
18 documents, you scanned and sent them to your  
19 attorneys. Is that right?

20 A. Yes.

21 Q. In terms of searching for the documents,  
22 what did you do?

23 A. I - to the best of my ability - searched my  
24 personal files, my home in Virginia, my home in

1 West Virginia, any of the aspects of files that may  
2 be electronically stored, and did the best of my  
3 ability to recollect and remember for any files or  
4 documents as well as there were a number of  
5 documents that I had to -- I did recollect, but I  
6 did not have immediately with me, and there may  
7 have been some that I had to search online to be  
8 able to get in response to that and provide those.

9 Q. The ones that you --

10 MS. JINDAL: Strike that.

11 Q. You understand, Doctor Gupta, that you're  
12 being deposed in connection with an ongoing  
13 litigation, right?

14 A. Yes.

15 Q. And who do you understand to be the  
16 plaintiff in this case?

17 A. My understanding is the plaintiffs is  
18 Cabell County and the City of Huntington.

19 Q. And who do you understand to be the  
20 defendants?

21 A. I understand the defendants represented  
22 here today include Cardinal Health, McKesson, as  
23 well as AmerisourceBergen.

24 Q. And in your own words, what is the case

1 about?

2 A. I'm sorry, can you repeat that, please?

3 Q. Sure. What is your understanding of this  
4 case? What is it about?

5 A. My understanding is that this case is  
6 related to the number of overdose deaths and  
7 generally the suffering and the carnage that has  
8 occurred broadly in the state of West Virginia, but  
9 narrowly in Cabell County and the City of  
10 Huntington as a result of oversupply as well as the  
11 over-availability of prescription opioids and the  
12 consequences resulting from that.

13 Q. And what is the basis of your  
14 understanding? How did you come to have that  
15 understanding?

16 A. As I had mentioned before, that including  
17 my work as the Commissioner for the Bureau of  
18 Public Health as well as the State's chief health  
19 officer, having worked in this area, having read  
20 the reports as well as public records and accounts  
21 and have been deposed and involved in the workings  
22 of the Department of Health and Human Resources of  
23 West Virginia, is how I come about to have that  
24 understanding.

1 Q. Okay. And are you aware that your name was  
2 disclosed in plaintiffs' preliminary witness list  
3 that they filed on June 3rd, 2020?

4 A. I am not aware.

5 Q. Doctor Gupta, could you please open Exhibit  
6 56?

7 MR. COLANTONIO: I'm sorry, did you  
8 say "56?"

9 MS. JINDAL: 56, yes. I apologize.  
10 We're going to be jumping around a bit today.

11 MR. COLANTONIO: Let me just find it  
12 here. Hold on. Okay. 56.

13 GUPTA DEPOSITION EXHIBIT NO. 56

14 ("Notice of Plaintiffs' Preliminary  
15 Witness List," U.S. Dist. Ct. Case No.  
16 3:17-01362 filed 6-3-20 was marked for  
17 identification purposes as Gupta  
18 Deposition Exhibit No. 56.)

19 MR. COLANTONIO: Like some kind of a  
20 game show.

21 THE DEPONENT: Thank you.

22 A. I have this in front of me.

23 Q. Okay. Doctor Gupta, this is --

24 MR. COLANTONIO: Could you just hold



1 for a second until I get my copy, please?

2 Thanks. Okay, go ahead. I'm sorry.

3 Go ahead.

4 MS. JINDAL: I'm sorry. Are you  
5 ready?

6 MR. COLANTONIO: Yes. Go ahead,  
7 please. Thank you.

8 MS. JINDAL: Okay.

9 Q. Doctor, this is a filing filed by  
10 plaintiffs in this action. It is dated, as you can  
11 see, at the very top in blue in the center, dated  
12 June 3rd, '20, and it states here that "Plaintiffs  
13 have identified the following individuals likely to  
14 be called as witnesses at trial."

15 And if you turn to the second page, you  
16 will see your name as No. 22. Is that correct?

17 A. That is correct.

18 Q. And your testimony is you were not aware  
19 that your name was going to be included on such a  
20 list.

21 A. This is -- my testimony is this is the  
22 first time I'm actually seeing this.

23 Q. Okay. Setting aside the document, were you  
24 aware that plaintiffs intended to call you as a

1 witness at trial?

2 MR. COLANTONIO: Objection, asked and  
3 answered.

4 A. As of this date that you mentioned, I was  
5 not formally aware of that.

6 Q. Did you become aware after that date?

7 MR. COLANTONIO: He's aware now.

8 A. I am aware.

9 Q. When did you become aware, besides --  
10 outside of today's conversation?

11 A. Today is when I've been made aware that --  
12 of the document that officially lists me as  
13 plaintiff witness.

14 Q. I'm not doing a good job of making my  
15 question clear; I apologize. Doctor Gupta, when --  
16 did plaintiffs ever contact you about testifying on  
17 their behalf at trial in this case?

18 A. Yes.

19 Q. When was that?

20 A. I would have to go back for that.  
21 Approximately about eight to twelve months. And  
22 with that, I want to say, Ms. Jindal, I'm not an  
23 attorney, so I am -- I'm a physician, so I am not  
24 often aware of that just a contact means I'm on a

1 list somewhere.

2 So I just want to make sure that you  
3 understand that my understanding of legal  
4 proceedings is very minuscule as opposed to the  
5 court and the system.

6 MR. COLANTONIO: And --

7 Q. Sure, absolutely.

8 MR. COLANTONIO: I don't mean to  
9 interrupt, but just so you're clear, he may be  
10 confusing his involvement in the state case with  
11 this case. I'm not -- so I just want to be -- you  
12 may want to question about that, because that may  
13 explain his answers better.

14 But it's your deposition.

15 MS. JINDAL: Thank you, I appreciate  
16 that. And I will get to that other case.

17 MR. RUBY: Just -- Jyoti, just a  
18 second. Mark, when you say "the state case," you  
19 mean the old AG case or the current --

20 MR. COLANTONIO: No, I'm sorry, what I  
21 meant was the MLP case.

22 MR. RUBY: Okay. I thought that's  
23 what you meant. I just wanted to make sure it was  
24 clear.

1 MR. COLANTONIO: Yes.

2 BY MS. JINDAL:

3 Q. And Doctor Gupta, have plaintiffs contacted  
4 you -- attorneys for Cabell County and City of  
5 Huntington, have any attorneys for those two  
6 entities, contacted you about testifying in this  
7 case, which is set to begin trial on October 19th,  
8 2020?

9 A. As I mentioned, that there may have been  
10 e-mails in that time frame, as I mentioned, the  
11 past eight to twelve months, that I may have  
12 received and provided a courtesy response to that  
13 -- that e-mail.

14 But beyond that, I have -- I do not  
15 recollect having any phone conversations,  
16 agreements with others with -- you know, with any  
17 particular attorney, but I can -- I can provide you  
18 the information that I do have on that -- on this  
19 case.

20 I'm happy to do that.

21 Q. Okay. I just need to know what you know  
22 today. I will follow up as needed, Doctor. Thank  
23 you.

24 Did you agree in response to those

1 e-mail inquiries to testify for plaintiffs in this  
2 trial?

3 A. I did not respond, as I mentioned, beyond  
4 courtesy responses. I can tell you that the --  
5 meet -- at the time that all of this communication  
6 was occurring, I did not also have the time to be  
7 able to make decisions on that and so -- and I  
8 would really like to know which attorneys we're  
9 talking about, because once again, I don't want to  
10 conflate with the -- you know, people who have been  
11 -- who attempt to contact me, so I would love to  
12 know the names who might be that we're talking  
13 about here.

14 Q. Sure. Has Paul Farrell, Jr. contacted you  
15 about testifying in the case brought on behalf of  
16 Cabell County?

17 A. Yes, and that may be the e-mail that I have  
18 provided -- had provided a courtesy response to.

19 Q. And do you currently intend to testify at  
20 trial in this case?

21 MR. COLANTONIO: Well, if he's  
22 subpoenaed to testify at trial, then depending on  
23 what the subpoena is -- I mean, he'll -- he'll, you  
24 know, respond to that appropriately.

1 But are you asking him if a lawyer for  
2 the plaintiffs has asked him to appear voluntarily  
3 or -- I'm --

4 I just want to make sure we're being  
5 clear.

6 MS. JINDAL: I am asking him:

7 Q. Do you plan to testify at trial currently?

8 A. I have not been asked to testify beyond my  
9 appearance today for trial.

10 MS. KEARSE: This is Anne Kearse. Let  
11 me just -- you know, Doctor Gupta is represented by  
12 counsel, so our communications upon finding that  
13 Doctor Gupta is represented by counsel have been  
14 through counsel, so I just want to make that record  
15 there too as well.

16 And there has not been some direct  
17 contact once we realized he was represented by  
18 counsel.

19 MR. FARRELL: And this is Paul  
20 Farrell. Hey, Doctor Gupta, will you come testify  
21 at our trial?

22 THE DEPONENT: If I am available and  
23 if I can, I would be able to do that.

24 MS. KEARSE: Thank you, Doctor.

1 BY MS. JINDAL:

2 Q. All right, Doctor. If you are called at  
3 trial, what do you expect to testify about?

4 MR. COLANTONIO: Object to the form.

5 A. I would provide my expertise, my experience  
6 and the knowledge that I have with respect to both  
7 being a local health officer for Kanawha County,  
8 Putnam County as well as the State's Health  
9 Commissioner for Bureau of Public Health and the  
10 state health officer.

11 Q. And we did hear -- we did talk briefly  
12 about another opioid litigation that's currently  
13 going on, the state MLP case. Do you have any  
14 intend to testify currently -- do you have any  
15 intention to testify in that case?

16 MR. COLANTONIO: He -- he'll testify  
17 in that case.

18 A. My response would be very similar, because  
19 if I am asked to, I would consider, subject to the  
20 availability to do that.

21 Q. And will the subject of your testimony be  
22 the same, or different?

23 MR. COLANTONIO: That hasn't been  
24 determined yet.

1           A.    As I am asked, I will be able to provide  
2   that.

3           Q.    And Doctor Gupta, other than your  
4   expertise, experience and knowledge in the -- in --  
5   through your work at the local -- as a local health  
6   officer for Putnam and Kanawha County Health  
7   Departments as well as your work as State Health  
8   Officer and Commissioner for Bureau of Public  
9   Health, is there anything else that you expect to  
10   testify about in this case?

11                   MR. COLANTONIO: Object to the form.

12           A.    I have certainly provided national  
13   expertise and would be able - in a limited amount  
14   of circumstances, subject to my expertise - to  
15   provide national trend information.

16           Q.    When you say "national" --

17                   MS. KEARSE: This is Anne Kearse. Let  
18   me just say it again: Doctor Gupta obviously has  
19   extensive history in the state of West Virginia on  
20   the opioid epidemic, and so he's being deposed  
21   today for you to inquire about what he knows about  
22   the public health hazards associated with opioids  
23   and what it's done to the state.

24                               So the fact that he may not know



1 specifically what question we're going to ask him  
2 at trial, to the extent he comes to trial, I think  
3 that is an unfair question to ask him what he's  
4 going to be asked.

5 He's got extensive knowledge about the  
6 public health crisis in the state of West Virginia  
7 that includes the City of Huntington and Cabell  
8 County, so I would suggest you move on and just ask  
9 him the questions about what he knows and what he  
10 knows about the health epidemic.

11 MR. RUBY: Anne, it's a fair question  
12 -- let's not -- let's not have this speech making.  
13 If he intends to testify, it's perfectly fair game,  
14 and let's not have -- let's not have the speaking  
15 objections, please.

16 MS. JINDAL: Thank you, Steve.

17 BY MS. JINDAL:

18 Q. Doctor Gupta, when you say "national  
19 expertise," what do you mean?

20 A. With regards to the opioid crisis and the  
21 public health crisis resulting from the opioid  
22 crisis.

23 Q. Thank you, Doctor. And any other subject  
24 matter with regard to your testimony?

1 MR. COLANTONIO: He'll respond to  
2 questions as asked. I think that's -- go ahead,  
3 Doctor, if you can have a magic ball and figure out  
4 what they're going to ask you, go for it.

5 A. I will be happy to respond to the questions  
6 and know that my portfolio and I will keep  
7 reiterating that was not exclusively limited to  
8 opioids during my tenure, so I'm unable to answer  
9 what I would testify to not knowing what the  
10 questions will be.

11 Q. I understand that, Doctor. Have you been  
12 retained as an expert - if you are familiar with  
13 that specific term in the context of a legal case -  
14 by plaintiffs in the -- in this case?

15 MR. COLANTONIO: No.

16 Q. Have you been retained -- I'm sorry.  
17 Doctor Gupta, you can respond.

18 A. No.

19 MR. COLANTONIO: No, to the extent  
20 that that involves a legal --

21 Q. Thank you. Have you --

22 A. My response is "No," but with a caveat that  
23 I am not really aware of what the legal meaning of  
24 -- of this -- he says, what this question is.

1 Q. Sure. I guess have you been asked to --

2 MR. COLANTONIO: I'm sorry, I don't  
3 mean to interrupt, but just so we're clear, he's  
4 not been retained as an expert, but he has a volume  
5 and wealth of factual information about these  
6 issues, and he also is prepared to render opinions  
7 if asked about these issues.

8 So while he's not retained as an  
9 expert, he's both a person who has facts and is  
10 prepared to render opinions.

11 Q. Doctor Gupta, are you -- have you been  
12 asked to draft -- write any expert reports about  
13 your work or experience or knowledge relating to  
14 the opioid crisis in West Virginia?

15 A. I have been asked to provide my opinion, my  
16 -- using my knowledge, asked to -- what would it  
17 take to solve the problem that we're facing.

18 MR. COLANTONIO: And just so we're  
19 clear, again, the doctor is not used to the  
20 process, so just -- I'm going to put this on the  
21 record. He's been retained as a consultant in the  
22 MLP case on the issue of maintenance at this point,  
23 so I think he's speaking with that.

24 But just to be clear, he has

1 information and opinions about other issues, so if  
2 he's asked the questions, he'll respond.

3 A. I think one of the challenges for me is to  
4 be able to differentiate between what case and what  
5 specific legalities, so do let me know on that  
6 aspect as you ask those questions.

7 Q. I will, Doctor. Your answer is perfectly  
8 fine. I understood what you meant. Thank you. I  
9 just want to have one little clarifying question.  
10 When you said, "solve the problem we're facing," do  
11 you mean the opioid abuse problem in West Virginia?

12 A. Yes. And the public health ensuing crisis.

13 Q. Thank you. Doctor, do you have a general  
14 understanding of the system of distribution for  
15 prescription opioids?

16 A. My role as the State Health Commissioner  
17 and public health officer, I have a broad bird's  
18 eye view of the understanding of the system of  
19 distribution.

20 Q. What is that understanding, sir?

21 A. My understanding is that based on the quota  
22 that's determined by the DEA, manufacturers are  
23 able to produce the volume of those pills and then  
24 the distributors are able to - as registrants of

1 the DEA - able to provide that volume of pills to  
2 other registrants in terms of pharmacies which then  
3 fill the prescriptions that have been written by  
4 licensed providers.

5 Q. You mentioned DEA registrants. Are you  
6 familiar with that registration process?

7 A. To the extent that I am a -- one of the  
8 registrants of the DEA to prescribe scheduled  
9 substances, I am familiar.

10 Q. Doctor Gupta, what -- please describe your  
11 experience registering as a DEA -- as a DEA  
12 registrant authorized to prescribe Schedule II  
13 controlled substances.

14 A. So my initial registration was many moons  
15 ago, so I can probably recollect that most of the  
16 experience will be renewing my DEA registration,  
17 which has to occur every two years.

18 That involves going through a process  
19 at the very beginning, we go on the website, the  
20 DEA; we enter our DEA number and a few specifics  
21 like Social Security number and date of birth; and  
22 it opens up a form.

23 You provide your specific information;  
24 you acknowledge to being able to prescribe; and

1 then there are a few other questions that you have  
2 to answer, you know, and then you pay the  
3 appropriate fees unless you're waived, you work in  
4 government, and that makes your registration.

5 I know this so well because as my  
6 registration was expiring this month, I've just  
7 done that last week.

8 Q. You said that you have to provide specific  
9 information on a form. What kind of information do  
10 you have to provide?

11 A. It's all electronic. You have to provide  
12 your practice location, your mailing address, if  
13 you are going to be prescribing or anticipate/plan  
14 to prescribe Schedule II, III, IV substances.

15 You also have to attest that,  
16 obviously, you have not have had a felony and other  
17 offenses, asks you to testify to that.

18 So it's mostly details: Street address  
19 of your work, your mailing address, things of that  
20 nature.

21 Q. And when asked to describe your current  
22 prescribing or plans to prescribe controlled  
23 substances, how did you respond this month?

24 A. There isn't a lot. I just -- I believe --

1 my recollection is that there is a box that you  
2 have to check or at least somewhere that you are  
3 going to prescribe those substances, that you are  
4 eligible to prescribe those substances.

5 There is also a place where you have to  
6 provide your medical license information, including  
7 the state, so those are some of the areas.

8 Q. And that's all part of the renewal process,  
9 correct?

10 A. Yes.

11 Q. As best as you can recall, what was the  
12 initial registration process like?

13 A. What I can recall, it was more extensive  
14 than the renewal process, but that's the extent  
15 that I can recall at this point.

16 Q. And this is the process that all physicians  
17 who want to or need to prescribe controlled  
18 substances need to go through to be able to do so.  
19 Is that correct?

20 A. I would say all prescribers, because  
21 prescribers may include physicians, but they may  
22 not be exclusively physicians.

23 Q. You're right, Doctor. This is a process  
24 that all prescribers need to go through to be able

1 to prescribe controlled substances in the United  
2 States, correct?

3 A. To my knowledge, yes.

4 Q. And as you said earlier, this is also a  
5 process that all pharmacies who dispense  
6 prescription opioids also need to go through.  
7 Correct?

8 A. To my understanding, yes.

9 Q. Right. I understand you're not familiar  
10 with the details of the process on -- from the  
11 perspective of a pharmacy, but you do understand  
12 that pharmacies also need to be registered with the  
13 DEA to receive and dispense controlled substances?

14 A. My understanding is that -- that all those  
15 who are involved in the -- from a manufacturing, to  
16 distribution, dispensing and writing prescriptions  
17 have to be registrants of the DEA.

18 Q. You said you learned about this process  
19 through your work as a Commissioner for the Bureau  
20 of Public Health. Do you recall approximately when  
21 you came to learn about this process?

22 A. The process of being registered is  
23 something that occurred way back when I was -- I  
24 was going through finishing up my residency and



1 getting into clinical practice. I could not tell  
2 you exactly, but approximately -- I finished my  
3 residency was in 1999, so that would have been  
4 around the years based on my license, permitted  
5 license, that I would have filled out that process.

6 So I would be aware of the DEA  
7 registration process since that time.

8 Q. I see. Thank you. I -- my question was  
9 confusing. We started by talking about the system  
10 of distribution for controlled substances. When  
11 did you become generally aware of that system of  
12 distribution?

13 A. So it was -- it was more during my term as  
14 the health commissioner and the state health  
15 officer because I was engaged in addressing the  
16 opioid crisis and the public health consequences  
17 that I became more aware and became more in contact  
18 with the Board of Medicine, the Board of Pharmacy  
19 and the controlled substances monitoring program  
20 and that was the time during which I came to know  
21 much more about the process than I had previously.

22 Q. And beyond the requirements for all of the  
23 actors in the supply chain to be DEA registrants,  
24 what else have you learned about the -- that

1 process?

2 A. I'm sorry, if you can ask me a more  
3 specific question? I'm not sure I can answer it  
4 and address my four years of experience in one  
5 question.

6 Q. No, so I'm asking specifically with respect  
7 to the system of distribution. For example, are  
8 you aware also that distributors are -- as you  
9 said, through your work with the Board of Pharmacy,  
10 that they're regulated by the West Virginia Board  
11 of Pharmacy in West Virginia? Is that correct?

12 A. I'm sorry, can you repeat that, please?

13 Q. Sure. You said you learned more about the  
14 system of distribution during your term as  
15 Commissioner, correct?

16 A. Yes.

17 Q. And you said part of that learning came  
18 from your work with the Board of Pharmacy.  
19 Correct?

20 A. Correct.

21 Q. Could you describe in detail --

22 MS. JINDAL: Strike that.

23 Q. What did you learn from your work with the  
24 Board of Pharmacy with respect to the system of

1 distribution for controlled opioids?

2 A. I do think, Ms. Jindal, you know, that this  
3 is an area of process that you're meeting with the  
4 Board, you're attending their meetings, providing  
5 perspective and you're learning over time.

6 So it's very difficult for me to  
7 outline that as one, two, three, four, five things.  
8 But broadly speaking, I developed a better  
9 understanding and a more improved understanding of  
10 the process of distribution from the volume to the  
11 prescribing and dispensing.

12 We worked closely both to understand  
13 what was going well, what was not going well, what  
14 were the components of the controlled substances  
15 monitoring program; what were the obligations.

16 Also -- within the Bureau of Public  
17 Health. But also, what can we do more? I mean,  
18 part of my work was not just learning, but also  
19 trying to and attempting to - oftentimes struggling  
20 to - find solutions to a crisis that we did not  
21 create.

22 Q. You said one of the things that you learned  
23 more about was the volume. What do you mean by  
24 that?

1           A.     What I mean by "the volume" aspect is,  
2     clearly by the time I became Commissioner, it was  
3     becoming more relevant and more clear that there  
4     was a volume issue when it came to the deaths and  
5     the suffering on the streets.

6                     What that meant was, the overwhelming  
7     volume that was reaching the people of West  
8     Virginia was plainly involved in the killing of  
9     West Virginians almost every 12 hours around the  
10    clock, and that became important to us, as well as  
11    other sufferings that were occurring.

12           Q.     Volume of what?

13           A.     The volume of prescription opioid pills.

14           Q.     And what was the source of that volume?

15           A.     So the source of that volume clearly was  
16    coming from -- through the manufacturers and  
17    distributors into the state of West Virginia and  
18    then through the pharmacies, being dispensed into  
19    the hands of innocent public.

20           Q.     You said you also looked at what was going  
21    well and what was not going well. What did you  
22    think was going well?

23           A.     Well, by the time I came into the office,  
24    clearly we had passed some policies -- please mind

1 you, that these are downstream efforts. We were  
2 drowning, and we were trying - struggling - to do  
3 what we could do at a city, county and a state  
4 level to help people survive.

5 So what we did was, we had passed  
6 several pieces of legislation and policy that had  
7 made its way into commonplace, which means that we  
8 had by the time figuring out how to get physicians  
9 trained into understanding how diversion occurs,  
10 how they could prescribe more responsibly to  
11 prevent that diversion. Although they're trying to  
12 help the people that they're working with, meaning  
13 their patients.

14 We were looking at figuring out how to  
15 provide the antidote called naloxone into the hands  
16 of the public so they can actually get an  
17 opportunity to live.

18 We were trying to figure out how to  
19 control -- you know, provide limitations to the --  
20 some of the bad docs, and how do we go after those  
21 bad docs?

22 So there was a whole host of initial  
23 work that was happening in terms of downstream  
24 attempts to control what we could control, what was

1 within our hands, our power, to be able to do, at a  
2 cost that was overwhelming.

3 Because at the same time, we were  
4 having more and more children going to foster care.  
5 Our child welfare cost was rising at an enormous  
6 rate that we were having difficulty to control,  
7 controlling the budget for the state.

8 So we were at the edges of going  
9 bankrupt as a state, and primarily the crisis was  
10 being driven but through the volume that was coming  
11 up upstream to us.

12 So those were some of the things that  
13 we were attempting to do. We were also trying to  
14 do justice reform, criminal justice reform,  
15 reininvestments into -- because what we found was a  
16 significant proportion of people that were ending  
17 up incarcerated had substance abuse problems, and  
18 that was primarily the reason, and they were not  
19 being helped by being incarcerated and being in  
20 prison.

21 We were losing -- as I mentioned, every  
22 12 hours, we were losing a working West Virginian,  
23 never to come back again, so this was a  
24 transgenerational crisis.

1 Q. Doctor, did your -- you said that you  
2 focused on educating physicians about diversion and  
3 how to prescribe more responsibly. Did that help  
4 address the volume issue you were talking about?

5 A. So yes, in an incremental way. We were  
6 taking baby steps to a problem. I would hasten  
7 back to the dam was broke, our cities were being  
8 flooded and now we were trying to put sandbags to  
9 form some type of levy while people are dying  
10 because of the flood.

11 That's literally what was happening in  
12 West Virginia.

13 Q. I see. And then when you said that you  
14 limited or tried to go after bad doctors, did that  
15 also help with the volume issue?

16 A. Again, in incremental ways, but right now,  
17 having the hindsight, I don't know if it helped or  
18 hurt more.

19 Q. Why do you say that?

20 A. I say that because every time we went after  
21 bad doctors, we shut the operations down. There  
22 were some really legitimate and credible patients  
23 that need -- also needed pain medications. They  
24 could not find other physicians and prescribers in

1 the community.

2 There were some people who had  
3 addiction to these things that could not find  
4 addiction treatment facilities. So what would  
5 these people do? That we learned again in  
6 hindsight.

7 They would go and try to seek these  
8 pills on the street. And as we were attempting, in  
9 our way, incrementally to reduce the supply on the  
10 street through these actions, they were starting to  
11 transition into the more readily available cheaper  
12 and affordable street alternative, which was at the  
13 time heroin, and other -- some of the other  
14 injection drugs.

15 Q. There's a lot there, Doctor, so I'm just  
16 going to try and take it one at a time.

17 Let's go back to the -- you said that  
18 these actions only helped curb the volume of  
19 prescription opioids in an incremental way. Did  
20 you do anything --

21 MS. JINDAL: Strike that. Let me  
22 rephrase my question.

23 Q. Did you take any actions to regulate the  
24 conduct of distributors?



1 MR. COLANTONIO: I'm sorry, object to  
2 the form of the question. Are you asking him as a  
3 State Health Officer if he somehow can regulate  
4 through the Controlled Substances Act the  
5 distributors?

6 I'm not sure I understand your  
7 question.

8 MS. JINDAL: Sure. Let me rephrase.

9 Q. Doctor, as State Health Officer and as  
10 Commissioner for the Bureau of Public Health, you  
11 were in a position to propose legislation, correct?

12 A. Yes.

13 Q. And you were also on the Governor's Council  
14 -- Advisory Council on Substance Abuse, correct?

15 A. That's correct.

16 Q. And these positions put you in a position  
17 to offer suggestions for what could be done to  
18 abate the opioid problem in West Virginia, correct?

19 A. Yes.

20 Q. And you also testified that you learned  
21 about the system of distribution through your work  
22 on these -- on these committees and in your  
23 position as Commissioner for the Bureau of Public  
24 Health, correct?

1           A.     Yes.

2           Q.     At the end of all that, did you propose any  
3     solution or regulation or law that was directed at  
4     the conduct of wholesale distributors?

5           A.     As a result of all of the aspect of  
6     questions that you've asked me, we did put a task  
7     force together and did everything possible under  
8     the sun under my authority in the state of West  
9     Virginia that we could do to address this terrible  
10    killer of a crisis that was happening.

11                   And I'd be happy to talk to you about  
12    that.

13          Q.     Okay. Doctor, that was not my question.  
14    Did you ever propose a course of action with  
15    respect to the conduct of wholesale distributors  
16    and geared at abating the opioid problem in West  
17    Virginia?

18                   MR. COLANTONIO: Objection to the  
19    form.

20                   Go ahead, Doctor, if you can answer  
21    that.

22          A.     I did not have -- as State Health Officer,  
23    did not have the authority to propose and control  
24    the Controlled Substance Act, a federal law, and as

1 part of the authority of state health commissioners  
2 all across the country, we have the ability to do  
3 what we can within our states and our communities,  
4 and that's exactly what I was attempting to do:

5 MR. RUBY: I'm going to call a  
6 time-out here and just note for the record that the  
7 witness' answer is parroting the improper speaking  
8 objection in which his counsel coached him to give  
9 testimony as to the Controlled Substances Act, and  
10 I'm going to ask counsel to refrain from speaking  
11 objections to coach the witness as to how you'd  
12 like him to answer.

13 MR. COLANTONIO: Well, that wasn't  
14 intended as a speaking objection, Steve. It was an  
15 objection intended to be a proper objection, so  
16 we'll move on and I'll object as I see fit, and you  
17 can --

18 MR. RUBY: Well, no, no, the -- we  
19 make objections to form. We don't make an  
20 objection and ask if the question is asking the  
21 witness whether he had the authority to do thus and  
22 such under the Controlled Substances Act and then  
23 invite him to testify - as he just did - that he  
24 didn't have the authority to do thus and such under

1 the Controlled Substances Act.

2 That's exactly what happened there,  
3 and we're not going to -- we're not going to put up  
4 with that as the day goes on.

5 MR. COLANTONIO: Yeah. Whatever.

6 MR. FITZSIMMON: Steve, the witness  
7 wants a break also.

8 MR. COLANTONIO: Oh, okay. Can we  
9 take a break now for a few minutes?

10 MS. JINDAL: I just have a couple more  
11 questions, and then I think we can take a break if  
12 that's okay.

13 MR. COLANTONIO: Go ahead.

14 BY MS. JINDAL:

15 Q. Doctor Gupta, through your work with the  
16 Board of Pharmacy, are you aware that the Board of  
17 Pharmacy licenses and regulates distributors in the  
18 state of West Virginia?

19 A. What I'm aware of is that the Board of  
20 Pharmacy does have the ability and the authority to  
21 provide the licensing and -- for the distributors,  
22 yes.

23 Q. And members of the Board of Pharmacy were  
24 on the Governor's Advisory Council for Substance

1 Abuse, correct?

2 A. I do not recall that at the time. I mean,  
3 I think we can check the record on that.

4 Q. Okay. But you were able to call someone up  
5 at the Board of Pharmacy if you wanted to while you  
6 were Commissioner, correct?

7 A. That would be reasonable.

8 Q. Okay. Did you ever call someone at the  
9 Board of Pharmacy and ask them to look into the  
10 conduct of wholesale distributors?

11 A. I would have conversations all the time to  
12 be asking the Board of Pharmacy to make sure that  
13 they do everything they can under their authority  
14 to help us reduce this crisis.

15 So the answer is yes.

16 Q. And do you think the Board of Pharmacy has  
17 done all it could to help abate the opioid problem  
18 in West Virginia?

19 MR. COLANTONIO: Object to the form.

20 A. My knowledge and my interactions lead me to  
21 believe with the small, minuscule sometimes staff  
22 that they had that they did everything that they  
23 potentially could to respond to the crisis.

24 Q. And if they continued to license and renew

1 the licenses of wholesale distributors --

2 MS. JINDAL: Strike that.

3 Q. Are you aware that the Board of Pharmacy,  
4 like the DEA, requires renewal of licenses?

5 A. I would assume so at this time to the best  
6 of my knowledge that that would be the case, just  
7 because I am a registrant of the DEA and I am  
8 required to make sure that I renew my registration.  
9 That would be the same mechanism for any of those.

10 Q. And if you had a particular concern with  
11 the conduct of wholesale distributors, you would  
12 expect that Board of Pharmacy -- you would have  
13 shared that concern with someone at the Board of  
14 Pharmacy, correct?

15 MR. COLANTONIO: Object to the form.

16 A. Can you repeat that question?

17 Q. Sure. You said you asked the Board of  
18 Pharmacy to do anything and everything within its  
19 power to help abate the opioid problem in West  
20 Virginia, correct?

21 A. Yes.

22 Q. And if you had any particular concern about  
23 conduct of wholesale distributors, you would have  
24 communicated that in those discussions, correct?

1           A.     Just so you know, my previous statement  
2     still holds, because I specifically requested to  
3     the Board of Pharmacy and its leaders to do  
4     everything in their power to help us stop the  
5     killing of West Virginians by the hour, and that in  
6     -- that wasn't exclusive of anyone.

7                     That was inclusive of every aspect that  
8     they can do and turn over every case that they can.

9           Q.     Did you ever have any specific  
10    conversations regarding the conduct of wholesale  
11    distributors?

12          A.     I did not have specific conversations that  
13    I can recollect at this time. I can't recall  
14    specific conversation, and please note this has  
15    been several years ago.

16          Q.     Understood.

17                     MS. JINDAL: I think we can go ahead  
18    and take a break now. Maybe about ten minutes,  
19    Doctor?

20                     THE DEPONENT: Sure. Thank you.

21                     VIDEO OPERATOR: Going off the record.  
22    The time is 10:11 a.m.

23                     (A recess was taken after which the  
24    proceedings continued as follows:)

1 VIDEO OPERATOR: This begins Media  
2 Unit 2 in the deposition of Rahul Gupta, M.D. We  
3 are back on the record. The time is 10:26 a.m.

4 BY MS. JINDAL:

5 Q. Doctor Gupta, you had -- had you heard of  
6 Cardinal Health before you became Commissioner?

7 A. I had not.

8 Q. When did you first hear of Cardinal Health?

9 A. I do not recall a specific date and time.  
10 I would say somewhere in 2015, I would have heard  
11 it, after joining in January my position.

12 Q. In what context did you hear about Cardinal  
13 Health? How did you first learn of them?

14 A. It's very difficult to recall for me at  
15 this point in what context. At this point, I think  
16 it would have been around the opioid crisis as well  
17 as, you know, what can we do to solve the crisis  
18 and, you know, what's the mechanism --

19 It's my sort of practice to under --  
20 when I -- when I go into a position, to understand  
21 the -- both the entire history as well as where we  
22 are we going with it and that sort of thing. So it  
23 would have been my attempt to better get a  
24 comprehensive view of the crisis.



1           Within my purview, I had about 130  
2     different program lines with -- you know, sort of  
3     mandate, statutory mandate to monitor the public  
4     health and its consequences across the state of  
5     West Virginia, and so this would have been my  
6     attempt during that time to better get to  
7     understand the most current and devastating public  
8     health crisis that was eating up the state, and  
9     that's what --

10           You know, in the process of  
11     understanding and learning more -- more  
12     comprehensively the crisis, I would have -- it  
13     would have come to understand that -- I would have  
14     come to understand that.

15           Q.     Have you ever had any professional  
16     interactions with an employee of Cardinal Health?

17           A.     Not that I'm aware of.

18           Q.     And is the -- had you heard of McKesson  
19     before you became -- McKesson Corporation before  
20     you became Commissioner?

21           A.     No.

22           Q.     And when did you learn about McKesson  
23     Corporation?

24           A.     I would say it would have been very similar

1 to the details I provided about Cardinal Health.

2 Q. And have you ever had any professional  
3 interactions with an employee of McKesson?

4 A. Not to my knowledge.

5 Q. And is your answer equally applicable to  
6 AmerisourceBergen Drug Corporation?

7 A. I would say yes.

8 Q. And just to be clear, that -- you mean that  
9 you had not heard of AmerisourceBergen before you  
10 came Commissioner?

11 A. That's correct, to my ability to recall at  
12 that time.

13 Q. And as best as you can recall, you learned  
14 about ABDC, AmerisourceBergen Drug Corporation,  
15 after you became Commissioner while you were  
16 learning more about the opioid problem in West  
17 Virginia?

18 A. That's to the extent that I can recall at  
19 this time.

20 Q. And as far as learning more about the  
21 opioid problem after you became Commissioner, do  
22 you -- just at a high level, what sort of sources  
23 did you rely on?

24 A. I relied on a number of nationally-known

1 sources, state level sources, regulatory sources.  
2 So that would be the reports that may be coming out  
3 from the CDC, from other federal agencies. It  
4 would be media reports as well, both national,  
5 state and local.

6 It would be talking to families  
7 individually and -- because I was on the ground  
8 dealing with the deaths literally every single day.

9 It would also be the state reports as  
10 well as the data that we would be collecting as  
11 well as monitoring and providing reports.

12 It would also be the chief medical  
13 examiner's office that was under my purview, that  
14 -- the challenge that we were going through to deal  
15 with the death and destruction on a daily basis and  
16 the challenges that we were having with resources.

17 It would be the legislature, West  
18 Virginia legislature. That would be -- you know,  
19 some other -- other sources as well that I cannot  
20 recall at this time.

21 Q. And do you recall West Virginia's lawsuit  
22 against wholesale distributors?

23 A. I do not recall a lot of -- any significant  
24 great detail at this time.

1 Q. But do you recall the fact that West  
2 Virginia filed suit against Cardinal Health,  
3 AmerisourceBergen and McKesson Corporation?

4 A. At some point in my thinking back in my  
5 time at -- as a Commissioner, I would have been  
6 contacted by the general counsel of the -- my  
7 parent agency - Department of Health and Human  
8 Services - to both brief me as well as ask for work  
9 in understanding better the opioid crisis and the  
10 devastation it was causing in terms of these  
11 programs we had, as well as then to -- to be  
12 deposed subsequently.

13 That would be the context, now looking  
14 back, that I would learn about that.

15 Q. Did you ever have an opportunity to read  
16 the Complaint in those cases?

17 A. I do not recall.

18 Q. Did you agree with West Virginia's decision  
19 to file suit?

20 MR. COLANTONIO: Object to form.

21 A. I don't think I could provide you an  
22 opinion there, because that was something that was  
23 existing before my time. I had no input into that  
24 decision-making process.

1 Q. I'm going to go ahead and switch gears now  
2 and talk to you a bit about your background. Do  
3 you have an undergraduate degree?

4 A. I have a one-year bachelor of science. So  
5 I do not have a full undergraduate degree.

6 Q. And where is that from?

7 A. That's from University of Delhi.

8 Q. And when was that?

9 A. That was 1987 to 1988.

10 Q. And what did it focus on?

11 A. It focused on biology.

12 Q. So bachelor's of science in biology?

13 A. Correct.

14 Q. And you -- do you have any advanced  
15 degrees?

16 A. I do have a doctor of medicine degree. I  
17 have an additional master's of public health. And  
18 a master's of business administration.

19 Q. Doctor Gupta, if I could ask you to open  
20 Exhibit 51.

21 GUPTA DEPOSITION EXHIBIT NO. 51

22 (Resume of Rahul Gupta, MD, MPH, MBA,  
23 FACP (WVSMA\_FEDWV\_00039036-091) was  
24 marked for identification purposes as

1 Gupta Deposition Exhibit No. 51.)

2 MS. KEARSE: I'm sorry, what exhibit?

3 MS. JINDAL: 51. 5-1.

4 A. I have it.

5 Q. Doctor Gupta, are you familiar with this  
6 document? And I'll specify. Are you familiar with  
7 the attachment to this e-mail that was sent to you?

8 A. Yes, it seems like it's my resume.

9 Q. And was this your resume as of March 23rd,  
10 2017?

11 A. I'm going to check.

12 Q. I'm just using the date of the e-mail,  
13 Doctor.

14 A. Yes, I see the date on the e-mail, and that  
15 is the appropriate attachment that it should be.

16 Q. And did you draft this resume?

17 A. I would -- I would think so.

18 Q. Doctor, if you turn to -- do you see in the  
19 lower right-hand corner of each document, there are  
20 two Bates stamp numbers? They start with some  
21 letters WVSMA here and then they end with a serial  
22 number?

23 A. Yes.

24 Q. I'm going to ask you to focus on the top

1 document when we review the documents. And the top  
2 number -- could you please turn to the page that  
3 ends with 9042?

4 MR. COLANTONIO: 9042.

5 THE DEPONENT: Yeah, I've got it.

6 Q. I believe it's page 6 of your resume, if  
7 that makes things easier.

8 A. I see it.

9 Q. Okay. And you see the heading "Education"?

10 A. Yes.

11 Q. And does that accurately reflect the dates  
12 and universities from which you have received those  
13 advanced degrees that we just discussed?

14 A. Yes.

15 Q. And did you complete your residency  
16 training at St. Joseph Hospital in Northwestern --  
17 of Northwestern University in Chicago, Illinois?

18 A. Yes.

19 Q. And what did you complete your residency  
20 in, Doctor?

21 A. Internal medicine.

22 Q. And do you have any special trainings or  
23 certificates?

24 A. I trained prior to my residency in

1 pulmonary medicine. That's listed as "Chest  
2 Diseases and Tuberculosis" with a two-year diploma,  
3 and then I have had since then the special training  
4 in public health as reflected here with an M.P.H.  
5 degree from the University of Alabama-Birmingham,  
6 and it was followed by a specialization in business  
7 administration that is listed as the M.B.A. in  
8 Information and Technology Management.

9 Q. Aside from the subspecialty training of  
10 chest disease and tuberculosis and your training in  
11 internal medicine, have you had any other  
12 specialized medical training?

13 A. No.

14 Q. And have you -- have you had any -- aside  
15 from these trainings, do you participate in any  
16 ongoing physician education?

17 A. Yes.

18 Q. And is that pursuant to any active licenses  
19 that you currently have?

20 A. Yes.

21 Q. What are those currently active licenses?

22 A. License to practice in the state of West  
23 Virginia.

24 Q. And have you principally practiced as -- in



1 internal medicine since you completed your  
2 residency?

3 A. I have practiced in the areas of internal  
4 medicine, primary care, family medicine, as well as  
5 I had to also cover the emergency room on occasions  
6 in the past.

7 Q. And I'm going to try and save us some time.  
8 Rather than -- does -- if we can, could you please  
9 go through the various hospitals and clinics that  
10 you've worked at over the years since you completed  
11 your residency?

12 A. I certainly can. Would it be okay if I use  
13 my listed Exhibit 51 as a reference?

14 Q. Absolutely.

15 A. Thank you. Can you please clarify exactly  
16 what aspects you want to cover -- want me to cover?

17 Q. Sure. Let me clarify the question. On  
18 page Bates stamped at the end, last four digits are  
19 9039, page 3 of your resume --

20 A. Yes.

21 Q. -- after you completed your residency, did  
22 you practice as a physician, as a primary care  
23 physician, as Florala Medical Clinic in Alabama?

24 A. Yes.

1 Q. And after -- and you were there for four  
2 years?

3 A. Yes.

4 Q. And after you completed that, you became a  
5 physician at the University of Alabama-Birmingham?

6 A. Yes, in Huntsville, Alabama.

7 Q. And what was your practice there?

8 A. I was a primary hospitalist, academic  
9 physician. My position was assistant professor of  
10 medicine for the school, and also did primary care.  
11 So I was an internal medicine hospitalist and then  
12 saw patients outpatient care as well and did  
13 teaching of the residency program and the medical  
14 school at UAB.

15 Q. What courses did you teach there?

16 A. I taught internal medicine, public health,  
17 various aspects of internal medicine, as well as  
18 preventive medicine and public health.

19 Q. Did any of your courses focus on treatment  
20 of pain?

21 A. There was a broad focus on pharmacology of  
22 compounds. There was a daily focus in the hospital  
23 rounds on treatment, including treatment for pain,  
24 because we saw a range of patients admitted from

1 cancer and the end-of-life to all the way to, you  
2 know, broken bones, head trauma, accidents,  
3 neurosurgery, those type of patients.

4 So there was a various range of  
5 patients that we would typically see for a  
6 hospitalist, and so our education that I provided  
7 to -- in realtime, along with the School of  
8 Pharmacy, Auburn School of Pharmacy, was on a daily  
9 basis that we discussed management of conditions,  
10 including management of pain.

11 Q. And in discussing the management of pain,  
12 did you teach with respect to the prescribing of  
13 prescription opioids?

14 A. It's difficult for me to recall at this  
15 time specifically what was taught, but I could say  
16 that amongst the pharmacology and teaching would  
17 have included the appropriate prescribing of  
18 opioids and appropriate prescribing for antibiotics  
19 and a number of other groups of medications.

20 Q. And when you say "appropriate prescribing,"  
21 what would you consider to be the appropriate  
22 prescribing that you would have taught them?

23 A. The appropriate prescribing would be one in  
24 which we utilized opioids not as first line and not

1 something for that is for everyone. But we  
2 actually made sure that these are treated as  
3 serious medications, prescription medications,  
4 potentially deadly medications, and they are  
5 provided to patients when the -- there is an  
6 appropriate indication for these medications.

7 Q. And is that also what you taught with  
8 respect to antibiotics use?

9 A. Yes. And in the antibiotic use, it would  
10 be a little bit different. We would focus on the  
11 development of resistance to antibiotics, which was  
12 also a major issue, and you would want to make  
13 sure -- as an example, just like that, you know, a  
14 very simple skin lesion with a little bit of  
15 inflammation, you would not be automatically  
16 jumping to prescribe opioids.

17 Same way if you had a cold, you would  
18 not be jumping to prescribe an antibiotics. Both  
19 of the results are not good for medicine and  
20 they're not good for certainly public health, and  
21 they have both of these examples have deadly  
22 consequences.

23 Q. So your approach to prescribing of opioids  
24 was similar -- was your general approach to

1 prescription -- to prescribing any medicine. Is  
2 that fair to say?

3 MR. COLANTONIO: Object to the form.

4 A. My approach to prescriptions and care of  
5 the patient was primarily not only driven by data  
6 and science, but the oath we take to first do no  
7 harm, and I happen to take that very seriously, and  
8 I made sure that my residents and my medical  
9 students and my pharmacy students and nursing  
10 students were taught the same approach.

11 Q. And after you left the Florala Medical  
12 Clinic -- I'm sorry, after you left the University  
13 of Alabama-Birmingham, you then taught at  
14 Vanderbilt University; is that right?

15 A. I was the primary faculty at Meharry  
16 Medical College which is also at Nashville, with a  
17 secondary appointment at Vanderbilt Medical Center.

18 Q. And you were both practicing and teaching  
19 in those places as well?

20 A. Yes, I was practicing primarily at  
21 Nashville General Hospital, downtown Nashville. I  
22 was both a hospitalist, very similarly placed, but  
23 also a primary care and an outpatient physician in  
24 a very inner city environment where we had a lot of

1 African-American urban population with a little bit  
2 of different set of challenges that was to consult.

3 We -- this was the only public hospital  
4 in Nashville, surrounded by several private  
5 hospitals, so the population was a little  
6 different. But I was still also teaching medical  
7 students of the Meharry Medical College as well as  
8 the internal medicine program residents and  
9 typically involved in helping the residency program  
10 become successful.

11 Q. And did any of the courses there involve or  
12 relate to management and treatment of pain and the  
13 use of prescription opioids?

14 A. So my teaching is very similar to what I  
15 was doing in Huntsville. It involved daily rounds  
16 and hospitals when I was posted to the wards, so to  
17 speak, and understanding and teaching students how  
18 to properly manage various medical conditions,  
19 including pain.

20 We also had an incarceration, like a  
21 jail ward, on the top floor, which was very  
22 similar, but it was important to have the students  
23 and residents understand that the concepts of both  
24 pain management as well as good medical management

1 are not contradictory to each other.

2 Q. So you didn't teach any specialized courses  
3 concerning the management or treatment of pain?

4 A. I don't -- I did not -- I did not teach any  
5 specialized courses.

6 Q. And then after your time in Tennessee, is  
7 that when you moved to West Virginia in 2009?

8 A. Yes.

9 Q. And when you moved to West Virginia, what  
10 were you doing?

11 A. So when I moved to West Virginia, I became  
12 the health officer for Kanawha/Charleston Health  
13 Department. That was a combined city/county health  
14 department, the largest in the state, local health  
15 department.

16 I was the local health officer,  
17 physician director. So my responsibility and  
18 jurisdiction was Kanawha County. And the  
19 responsibility was amongst various aspects that  
20 included everything from monitoring safe water to  
21 air to making sure that there were clean indoor air  
22 regulations, that people -- various programs of  
23 health and prevention, while making sure that  
24 restaurants were properly monitored for the food

1 code, the sewage, the licensing of making sure  
2 that, you know, there were proper sewage and air  
3 conditioning and other things -- aspects.

4 Hotels, licensing, making sure that  
5 they were properly done from a health aspect.

6 So I was responsible for all of those  
7 public health aspects of the county.

8 I was also teaching at the same time.  
9 I obtained as a -- I don't exactly remember -- I'd  
10 have to go back to my resume and look at it as to  
11 when, but a faculty appointment at West Virginia  
12 University as well as University of Charleston.

13 I became a clinical teaching faculty at  
14 the largest hospital in the state of West Virginia,  
15 which is CAMC, and I was also volunteering at the  
16 local charitable clinic called Health Right, West  
17 Virginia Health Right.

18 Q. What prompted you to pursue a career in  
19 public health at that point?

20 A. The primary driving force for me was as a  
21 primary care physician in a town of about 850,  
22 Florala, I was seeing a lot of challenges that were  
23 primarily public health in nature.

24 I was also seeing at the same time that



1       whereas I had a more traditional evidence-based  
2       approach, I did have colleagues that were much more  
3       liberal - who we know now as bad doctors, by the  
4       way - in opioid prescribing.

5                       But that wasn't the only piece. It  
6       was part of the conversation that prompted me to  
7       seek a better understanding of our systems, our  
8       health policy and our health care systems, and  
9       that's the reason I got my master's in public  
10      health after which --

11                     Because during the same time, I would  
12      consult with UAB, and I recognized that, you know,  
13      a confirmation health approach as pretty decently  
14      good as I was in clinical medicine, to understand  
15      and just had mostly clinical teaching in the wards  
16      and on the campus --

17                     -- that I could have a larger impact in  
18      addressing the more population aspect of crises and  
19      challenges that we face, whether it's obesity, the  
20      consequences of which, or other aspects.

21                     And that was the primary driver for me  
22      to be able to do good at a much larger upstream  
23      level, just to be more impactful in addition to  
24      individual level of care which I still felt was

1 important to be grounded.

2 That was the reason that I continued to  
3 donate my personal time to the charity clinic in  
4 addition to understanding and working on policy and  
5 other problematic aspects of public health.

6 Q. I want to go to the beginning of your  
7 answer there, Doctor. You said you had some  
8 colleagues at Florala Medical -- I don't recall the  
9 name.

10 -- Florala Medical Clinic in Alabama  
11 who you characterize as "bad doctors."

12 Could you describe more about what your  
13 concern was there?

14 MR. COLANTONIO: Object to the form.

15 A. So you know, we're going to go back and I'm  
16 going to talk about this, having the benefit of  
17 doubt that we have today in 2020. But when I was  
18 there at the time in the year 2000, this was a time  
19 when I -- this is the Town of Florala, as well as  
20 my colleagues, were getting regular visits - if not  
21 daily, certainly weekly, multiple visits - from  
22 pharmaceutical representatives who were telling us  
23 that, yeah, we should prescribe and adequately  
24 treat pain.

1 I was a front-line physician that was  
2 managing not only a full-time clinic, but also the  
3 emergency room of the local hospital every third  
4 day by rotation, every third weekend by rotation.  
5 So that was a lot of coverage.

6 And we were being bombarded at the time  
7 with these messages that were coming to us.  
8 Samples were being dropped. And some of us took  
9 the approach of being driven still by data and  
10 evidence, whereas there were a few that did not.

11 And so those are the colleagues I talk  
12 about, which we now know as bad doctors, that  
13 perhaps at the time we hadn't recognized that they  
14 had incentives to be able to writing prescriptions  
15 -- did have patients come from far off, sometimes  
16 hundreds of miles away, line up in the parking lot,  
17 and having cash-only clinics.

18 These are not bad people; they were  
19 just what we know now as bad doctors. Not bad  
20 human beings, but just bad prescribers. And the  
21 ones at least I know, I know they were trying to  
22 help do the best they could for the training they  
23 received and they were sold a bill of goods that  
24 they felt that they were trying to help the

1 patients.

2 Q. Do you recall ever expressing any concern  
3 about the lack of data and evidence-driven  
4 prescribing?

5 A. It's hard to go back 20 years or 15 years.  
6 But yes, I generally -- and I say that because I  
7 generally have a view of utilizing data and  
8 evidence to drive -- drive my decisions, whether  
9 it's in policy making or clinical care.

10 So I do remember being concerned about  
11 this issue. As I was concerned, to be honest, at  
12 the time -- as an example, we were using -- this is  
13 -- doesn't relate to opioids, but we were using a  
14 lot of Celebrex and Vioxx.

15 These are jus -- you may or may not  
16 remember these medications, but they were also  
17 being consumed and used. And I had done the review  
18 of their initial studies, and that did show  
19 casualties. And I was skeptical about that too.  
20 That some of the patients I was seeing were having  
21 DVTs and they were having consequences.

22 So that's the level of detail that I  
23 had happened to focus on. Many of my colleagues -  
24 and most of my colleagues - did, but some did not.

1 And so that's an example of where when all the  
2 prescribers were being sold the bill of goods, most  
3 decided to do the right thing and follow what they  
4 were taught to follow in medical school, but just  
5 follow the science.

6 And some fell victim to the message.  
7 And as a result, now what we know became bad docs.

8 Q. And when you say they "fell victim to the  
9 message," are you referring to the messaging from  
10 manufacturers about prescription opioids?

11 A. I would overall generally say yes, and the  
12 reason for that is that the representatives that  
13 were coming to our offices did represent  
14 manufacturers, and they had a product to sell,  
15 bottom line.

16 But it was also other things which --  
17 you know, physicians were asked to go on trips, to  
18 take weekends to other type of lavish and  
19 extravagant type of investments that were being  
20 made. I could not tell you who was making those  
21 because I wasn't part of that.

22 But there were other aspects of this  
23 too.

24 Q. Do you recall ever a wholesale distributor

1 approaching you about prescription opioids?

2 A. As I testified earlier, I was -- I do not  
3 recall any -- any wholesale distributors  
4 approaching me.

5 Q. Have you ever heard any of your colleagues  
6 say they were approached by a wholesale  
7 distributor?

8 A. At this time, it would be hard for me to  
9 recall that.

10 Q. So you don't recall whether your colleagues  
11 have ever said that they have been approached by a  
12 wholesale distributor with respect to their  
13 prescription opioids?

14 A. I don't recall that. I also don't recall  
15 them telling me that they were approached by  
16 manufacturers. So that's the rationale, that I  
17 just -- that is -- we talk more about patient care  
18 as -- and as the standards began to change for  
19 pain, we began to discuss and sort of in a  
20 scientific way, discussed the basis of the  
21 standards that were changing, not really how that  
22 was being caused --

23 At the time. I go back to this thing  
24 -- it's very easy now in hindsight to look at this.

1 But at the time that we were in, we were  
2 prescribers and primary care physicians who's first  
3 duty was actually to help our patients, because  
4 that's where we were engaged mostly. We were not  
5 in policy making.

6 And we would discuss the standards and  
7 how they're changing literally in realtime during  
8 the 2000s. That's what I do recall about that.

9 Q. What do you recall about the change in  
10 standards with respect to treatment of pain? Or  
11 the use of prescription opioids?

12 A. I recall that the American Pain Society  
13 promoted pain as being the fifth vital sign. At  
14 the time, I wasn't acutely aware that they were  
15 being supported with financing by a pain  
16 manufacturer or others.

17 I recall that at the time both the --  
18 what we know as Joint Commission now - but JCAHO  
19 then - came out with recommendations for utilizing  
20 pain as a vital sign, pushed by the American Pain  
21 Society.

22 As I would be in the hospital in  
23 subsequent years, as a hospitalist, we would be  
24 subject to the ten-point pain scale with the happy

1 faces. That was a consequence of that.

2 And that all sort of played into  
3 changing the standard of pain as a fifth vital sign  
4 when we did not go to that extent to change other  
5 four vital signs at that time.

6 That's why it stood out, because we  
7 took a subjective symptom and we turned it into a  
8 vital sign without any of the data or research or  
9 work that had gone into the other four vital signs.

10 So in that sense, for many of us - for  
11 most of us, I would say - the standard of -- for  
12 pain were changing and evolving around the 2000s  
13 when I was practicing in Florala.

14 Q. Doctor, going back to your resume, I want  
15 to draw your attention to the -- page 4 of your  
16 resume. It ends with Bates Stamp No. 9040.

17 A. I have it.

18 Q. And I want you to focus on the bottom of  
19 this resume, it says you were an associate  
20 professor at the University of Charleston School of  
21 Pharmacy starting in 2011. How long did you teach  
22 there?

23 A. I believe I should be still faculty there,  
24 but the last time would have been sometime before I



1 left West Virginia. That would be in 2018 that I  
2 actually taught a class. I could not recall an  
3 exact month and time.

4 But that -- you know, I taught there.  
5 I teach at -- I was a professor at Harvard as well,  
6 as well as Johns Hopkins and West Virginia  
7 University and Georgetown, so --

8 Q. And just continue to focus at the  
9 University of Charleston School of Pharmacy, I'm  
10 going to just talk to you about that first bullet  
11 point there. You "Teach class on the role of  
12 community pharmacist in addressing public health  
13 challenges."

14 Did I read that correctly?

15 A. Yes.

16 Q. What do you mean by "community  
17 pharmacists?"

18 A. So community pharmacists have oaths to pure  
19 -- and I'm not very well versed in the science of  
20 this from a pharmacy standpoint but as opposed to a  
21 retail pharmacy -- pharmacist or a wholesale  
22 pharmacist.

23 Really relates back to the mom and pops  
24 across the country, the pharmacists that are

1 embedded in the community, that the role that they  
2 have in ensuring that they're addressing whatever  
3 the contemporary public health crisis or challenges  
4 may be ongoing in their own communities.

5 Q. And when you talk about the public health  
6 challenges that could be going on in the community,  
7 do you have any specifics in mind?

8 A. Yes. So I'll give you a couple examples.  
9 One, the class really came across because when I  
10 was in Florala, I would have oftentimes the person  
11 who owned the Florala pharmacy call me and say,  
12 "Hey, Doc, I've got two cases of diarrhea. You  
13 sure there's nothing going around, like a bug?"

14 So this was -- this was our community  
15 way of being the sentinel providers and working  
16 with each other to figure out challenges when the  
17 robust system -- to become those sentinel providers  
18 and detectors -- or these detectives. That was one  
19 example.

20 The other can clearly be -- at least  
21 part of what I taught, the second example was:  
22 Okay, if you're starting to see a lot of  
23 prescriptions come in for opioids, that you really  
24 have to question that as well. And you could be

1     that sentinel provider that could raise that  
2     concern.

3           Q.     And do you talk about the role, I guess, as  
4     a sentinel in -- for prescription opioids in the  
5     class?

6           A.     Yes.

7           Q.     And what kinds of --

8                   MS. JINDAL:   Strike that.

9           Q.     Let me put it this way.   You said there  
10    were -- you know, you had a pharmacist who called  
11    you about two cases of diarrhea.   In terms of  
12    educating your students, what did you tell them  
13    should generate or lead to a call to a physician  
14    about prescription opioids?

15          A.     An example would be if they start -- you're  
16    seeing a volume of prescriptions come from the same  
17    place or same prescriber or a prescription that  
18    doesn't look like -- it could have been fabricated,  
19    then you make sure you conduct your due diligence,  
20    your responsibility as a pharmacist - to these  
21    students - that you ensure that you're not  
22    dispensing any of these drugs that could  
23    potentially harm your community members.

24                   And remember -- I just want to add here

1     that these -- this is an example of the kind of  
2     things we were doing that would potentially help  
3     with downstream have some even a minute amount of  
4     incremental impact to help the crisis that we had  
5     not generated or we had not caused.

6           Q.     And do you believe there are pharmacists  
7     who failed to fulfill the community pharmacist role  
8     in West Virginia?

9           A.     I can only base my opinions on reports that  
10    I would read like the public or anyone else. I do  
11    not have any data or knowledge beyond that.

12          Q.     Based on those reports, what is your  
13    opinion?

14          A.     My opinion is that there was plenty of  
15    blame to go around, and there was definitely, you  
16    know, some pharmacies in West Virginia that could  
17    have done a better job at conducting their own due  
18    diligence.

19          Q.     Do you have any particular pharmacies in  
20    mind?

21          A.     Not at this time. I -- you know, I haven't  
22    reviewed the data and everything. This has been a  
23    while back.

24          Q.     At one time, did you have any particular

1 pharmacies in mind?

2 A. I'm sure I did. I do not recall at this  
3 point.

4 Q. Do you recall what you did once you learned  
5 that there might be some specific pharmacies who  
6 are failing to fulfill their community caretaking  
7 role or maybe not conducting their due diligence?

8 A. I am not sure if I was a physician -- if I  
9 was in Florala and I was reading about a pharmacy  
10 and kind of see -- I don't think I had the role or  
11 the ability to influence that, unfortunately.

12 And that goes back to my answer about  
13 why I decided to go to public health.

14 Q. Sure. I'm actually focused on pharmacies  
15 in West Virginia. So let's just stick to your time  
16 in West Virginia from 2009 on. Did you ever come  
17 to believe that pharmacies in West Virginia were  
18 not fulfilling their community caretaking role?

19 A. So the time that I was the local health  
20 officer from 2009 to the end of 2014 -- I'm trying  
21 to recall if there were any times - and I can't -  
22 within my jurisdiction that we had a problem and I  
23 did not recognize those.

24 I don't remember that -- being aware at

1 the time of that.

2 Q. Okay. And then while you were a  
3 Commissioner or -- and on the Governor's Advisory  
4 Council on Substance Abuse, were there any  
5 particular pharmacies that were brought to your  
6 attention as ones that were problematic or had  
7 failed to fulfill their role as community care --  
8 community pharmacists?

9 And again, focusing on West Virginia  
10 pharmacies.

11 A. So that wouldn't be brought to my attention  
12 because that would be brought to the attention of  
13 the Board of Pharmacy and I would not be made aware  
14 of that, because those investigations would be  
15 confidential in nature.

16 So that would be the reason that I  
17 wouldn't be made aware of that. My knowledge comes  
18 still from the published reports at the time, as  
19 I've stated earlier.

20 Q. And did you refer any West Virginia  
21 pharmacies to the Board of Pharmacy for  
22 investigation?

23 A. I would have no cause to investigate or  
24 find any cause to report those pharmacies. Back to

1 my earlier assertion that, you know, in my contact  
2 with the Board of Pharmacy, and being secretary of  
3 the Board of Medicine as well as the State Health  
4 Commissioner of Public Health and State Public  
5 Health Officer, my singular message was - for the  
6 Board of Pharmacy - do everything they can within  
7 their power and within their jurisdiction to ensure  
8 that they curb the supply that's coming out in the  
9 state of West Virginia.

10 Q. And if you ever heard a patient describe a  
11 interaction with a pharmacist that you believed to  
12 be problematic or not fulfilling his role of a  
13 community pharmacist, would you have referred that  
14 pharmacist or pharmacy to the Board of Pharmacy for  
15 investigation?

16 A. I would. I just don't recall that -- you  
17 know, specific instances. But my --

18 Q. Okay. Thank you.

19 A. -- practice is if I had, I would.

20 Q. Okay, thank you. I think we talked a  
21 little bit about this already, but you agree that  
22 there's a role for prescription opioids in the  
23 treatment of pain. Correct?

24 A. I would agree with that.

1 Q. And including chronic pain?

2 A. I would agree with that.

3 Q. Is it fair to say then that a prescription  
4 for opioids is not, in and of itself, illegitimate  
5 or illegal?

6 A. I'm not sure if I would agree with that.

7 Q. You believe that there are some instances  
8 in which -- let me clarify my question, and maybe  
9 this will help. A prescription for opioids written  
10 by a DEA-registered and state-licensed medical  
11 professional is not, in of itself, illegitimate,  
12 correct?

13 MR. COLANTONIO: Object to the form.

14 A. The way I would respond to that question  
15 would be that no prescription that becomes  
16 illegitimate just because it's a prescription; in  
17 fact, just the opposite is true. However, it's the  
18 intent with which the prescription is written as  
19 well as the whom to which the prescription is  
20 written and what purpose that is the essence of a  
21 prescription writing process.

22 Q. Okay. So when a pharmacist receives a  
23 prescription or --

24 MS. JINDAL: Sorry, strike that.



1 Q. When a pharmacist has a patient come in  
2 with a prescription for opioids, is it fair to say  
3 that a pharmacist needs more information to make a  
4 judgment about whether or not that prescription is  
5 one that should be dispensed or filled?

6 MR. COLANTONIO: Object to the form.

7 A. They could. I mean, if you could repeat  
8 that question -- I'm trying my best to answer.

9 Q. Sure. I guess what I'm trying to say is:  
10 We talked a little bit about it already. You said  
11 that when a pharmacist, for example, generally  
12 might be concerned when he starts seeing too many  
13 prescriptions from a prescriber or a facility for  
14 prescription opioids or he might be concerned when  
15 the patient who comes in through the door is  
16 someone who is from far away.

17 What I'm trying to get at is: That all  
18 -- that information -- that kind of information is  
19 not ascertainable from the prescription itself.  
20 Correct?

21 A. Just the face of the prescription, it  
22 depends. If it's an electronic prescription, that  
23 can be ascertained through the required  
24 interrogation of the prescription monitoring

1 program.

2 So it just depends. It doesn't have to  
3 be a black or white answer. It just depends.

4 Q. Okay. And are pharmacists in West Virginia  
5 required to check the prescription monitoring  
6 program before they fill a prescription for  
7 opioids?

8 A. Yes. Now.

9 Q. When did that become law?

10 A. I believe the -- what West Virginia called  
11 its Controlled Substance Monitoring Program - it's  
12 the PDMP version - it's called the CSMP. It was  
13 established in 1995, and there were changes that  
14 have been made over time.

15 The last one, I would say,  
16 approximately around 2012 when they were -- when  
17 they were able to do that, and I think during 2015.  
18 I don't -- I can't exact -- I can't exactly tell  
19 you when. But we did work on that over my tenure  
20 to require that.

21 Q. And when you refer to that requirement, are  
22 you referring to the requirement that pharmacists  
23 are required to enter any information about  
24 prescriptions that are dispensed within 24 hours of

1 having dispensed them?

2 A. Broadly, I believe so. Again, I'm not a  
3 pharmacist, and I do not own any pharmacies, so I  
4 -- it's very hard for me to speak about the  
5 regulations within the pharmacy world. At least  
6 I'm going to try to answer the best I can.

7 Q. Sure. So you could be mistaken that --  
8 about whether pharmacists are required to check  
9 that database before deciding whether to fill a  
10 prescription for opioids?

11 A. I have a reasonable degree of certainty  
12 that they are required to do that. Now, there  
13 could be some that do not do that, and I cannot  
14 vouch for those people.

15 Q. Turning back to Exhibit 51, and staying on  
16 that same page and focusing on the University of --  
17 your work with the University of Charleston School  
18 of Pharmacy. The second bullet describes your  
19 class on "expansion of the role of pharmacy under  
20 the Patient Protection and Affordable Care Act."

21 Did that class involve any discussion  
22 of prescription opioids?

23 A. That one did not. To my recollection.

24 Q. So we've discussed your work with the

1 Kanawha/Charleston Health Department from 2009 to  
2 the end of 2014. And then you became a  
3 Commissioner starting in January 2015, correct?

4 A. Yes.

5 Q. Turning to the first page of your resume,  
6 that describes - at a high level - some of the work  
7 you did as the Commissioner and State Health  
8 Officer for the Bureau of Public Health, correct?

9 A. Yes.

10 Q. Okay. Turning to that second page, I just  
11 want to focus on the last bullet of -- under that  
12 heading of Commissioner and State Health Officer.  
13 This states, "Serve as Secretary and Ex Officio  
14 member of the West Virginia Board of Medicine where  
15 along with the President, I am responsible as  
16 signatory authority for all medical licensing,  
17 disciplinary, and other actions of the Board."

18 Did I read that correctly?

19 A. Yes.

20 Q. How long did you serve as secretary of the  
21 West Virginia Board of Medicine?

22 A. So the service of this position is inherent  
23 with the job of the Commissioner of the State  
24 Public Officer through statute in West Virginia.

1 So this is a position that comes along with being  
2 the Commissioner and the State Health Officer.

3 So my tenure was the same. The day I  
4 joined as the Commissioner/State Health Officer, I  
5 became the secretary and ex officio member. The  
6 day I left the prior position is the day I tendered  
7 my resignation for this position as well.

8 Q. Did you have any involvement with the Board  
9 of Medicine before you became Commissioner?

10 A. I was a licensee of the Board of Medicine  
11 in West Virginia since 2009.

12 Q. And do you recall the process for becoming  
13 a licensee of the Board of Medicine?

14 A. I can vaguely do my best to -- to tell you  
15 that.

16 Q. As best as you recall, please.

17 A. So generally licensing requirements for  
18 states require that you demonstrate a proficiency  
19 in the practice of medicine, that you agree to the  
20 medical practice act of that state, understand the  
21 policy and procedures and read those.

22 You also have to demonstrate your  
23 passing of whatever qualifications of the states  
24 are for the minimum licensing requirements, which

1 includes medical school, residency of some sort,  
2 several years. And then providing documents to  
3 authenticate that, and as well as references.

4 Certain states, I believe, like West  
5 Virginia have questionnaires around, you know,  
6 child support, alimony and others. There's  
7 questionnaires around previous criminal acts  
8 demonstrating that you must be in good standing.

9 Previous acts by other boards of  
10 medicine that could be against your license or --

11 So there's a whole course of questions  
12 including, as I mention, your acts and actions  
13 against your DEA certificate or your state  
14 certificates.

15 So it's a whole entire process that  
16 takes anywhere from an average of two to twelve  
17 months in any particular state given -- to be able  
18 to obtain your license. It's a long a tenuous  
19 process.

20 Q. And you said there are specific questions  
21 directed at your DEA registration as part of that  
22 process?

23 A. I would like -- I recall that. Please  
24 don't hold me to it, but I believe that there are.

1 Q. And any other questions about prescriptions  
2 -- prescribing of controlled substances?

3 A. I don't recall that point. But most of the  
4 questions come -- emanate with the application  
5 process tend to pretty much be in the statute of  
6 rules of West Virginia Medical Practice Act for  
7 licensing aspects.

8 Q. Doctor, you said that you are currently  
9 teaching at West Virginia University and Harvard  
10 Schools of Public Health; is that correct?

11 A. That's correct.

12 Q. And what do you teach at those schools?

13 A. So -- I'll start with Harvard because that  
14 one particular class next week. I'm a visiting  
15 faculty and I teach risk communications, primarily  
16 using the West Virginia water crisis as example,  
17 but walk through the class.

18 We have anywhere between 60 or so  
19 participants from all over the world. It's an  
20 executive education class that are mid to high  
21 level, to be taken by experts from nuclear  
22 propulsion labs to the eco labs of China to  
23 Singapore, FDA, CDC, all of them. And we basically  
24 -- I'm part of the faculty that teaches them how to

1 communicate risk in a time of crisis.

2 Q. And do any of those classes involve  
3 discussions of prescription opioids?

4 A. My teaching part does not. I cannot recall  
5 if any of the -- because it's an interactive class  
6 and the participants may have asked in the last  
7 several years that I've been teaching the class  
8 that could have been related to opioids, but I do  
9 not specifically recall any of that.

10 In West Virginia University, I do  
11 teach at the School of Public Health, grand rounds  
12 generally, focused on public health issues. That  
13 does involve detailing the opioid crisis.

14 I'm someone who helped the process of  
15 founding of the School of Public Health in West  
16 Virginia University, so I feel vested in ensuring  
17 that the school's graduates have a comprehensive  
18 education, and it's the only School of Public  
19 Health in the state in both public health, but also  
20 specifically whatever the crises are ongoing in the  
21 state, which has tended to be opioids for several  
22 years now.

23 Q. And does your focus in that class on --  
24 I'll start again.



1           You said you focus on the opioid --  
2     detailing the opioid crisis in that class. Does  
3     your investigation include the causes of the opioid  
4     epidemic?

5           A.     We have a discussion on the description of  
6     charts and historical perspective. We created -- I  
7     ordered - as one of the first acts of being a  
8     Commissioner - a historical perspective report that  
9     - it's online available - of West Virginia's opioid  
10    crisis from 2000 to 2015 data.

11           I take several pieces of information  
12    from that report, that's a public report, done  
13    under -- I believe, it was Governor Justice. And I  
14    use that as an example to talk about historical.  
15    We talk about, obviously, all aspects/facets --  
16    it's a pandemic -- it's an epidemic of epidemics.

17           We talk about all the consequences that  
18    are happening. And then we talk about things that  
19    we're doing to solve. The bottom line is, we do  
20    talk about, you know, how we got here; but our  
21    focus often is: How do we fix this?

22           And we want, you know, in West Virginia  
23    our students to understand that while we didn't  
24    break it, we'll have to fix it. And we're going to

1 have to get together.

2 So whether it's the HIV outbreaks that  
3 happened in Cabell County recently -- which is the  
4 second-largest HIV outbreak in the nation's history  
5 recently, in Vienna, or the Hepatitis A outbreak  
6 that I personally dealt with during my tenure; or  
7 the highest levels of Hepatitis C.

8 We have a record in our country being  
9 first or second - compete with Kentucky oftentimes  
10 - and the highest levels of -- historic high levels  
11 of Hep B, which both transmitted through IV drug  
12 use and other aspects. 15 -- 13 to 15 times the  
13 national average.

14 We talk about those things. We talk  
15 about: How do you solve these problems? We talk  
16 about how do we prevent, you know, 5 percent of the  
17 babies that are born with neonatal abstinence  
18 syndrome in this state, and that costs a million  
19 dollars a baby. And that's a billion dollars - if  
20 you add the numbers - of an ongoing liability to  
21 the state every single year.

22 I produced a white paper to -- to the  
23 Senate finance chairman about that years ago.

24 So we talk about actual real issues,

1 fighting this crisis on the ground, trying to stop  
2 people from dying, trying to get people to enter  
3 into treatment.

4 So you know, frankly enough, we have a  
5 job to do when I teach, and I'm not -- I don't --  
6 my job is really to figure out how to solve this  
7 crisis with the tools we have. Not the tools we  
8 wanted or we could have.

9 But what we've got, we have to work  
10 with to solve a really deadly problem. And that's  
11 where a lot of my focus and effort is, not really  
12 on a daily basis playing the blame game. That's  
13 not what I focus on, frankly and honestly.

14 I could talk about it, but that's --  
15 really honestly, that's not -- my focus has been to  
16 solve the problem.

17 Q. I appreciate that, Doctor. And I'm going  
18 to just ask you to focus on my questions and  
19 limiting your answers to what I specifically ask.  
20 It just will help us get through this a lot faster.

21 And so I'm going to repeat my question,  
22 and I think I heard the answer, but is it accurate  
23 to say that you do discuss the causes of -- or the  
24 factors that led to the opioid problem in West

1 Virginia or the extent of the opioid problem in  
2 West Virginia?

3 A. We do discuss and have a discussion around  
4 the factors that mainly lead -- have led to the  
5 opioid crisis and its consequences in West  
6 Virginia.

7 Q. And could you please turn to Exhibit 54?

8 GUPTA DEPOSITION EXHIBIT NO. 54

9 ("State of Health" presentation by  
10 Rahul Gupta, MD, MPH, MBA, FACP dated  
11 10-26-18 (CT2\_RGupta000919-966) was  
12 marked for identification purposes as  
13 Gupta Deposition Exhibit No. 54.)

14 MR. COLANTONIO: Is this a new one?

15 MS. JINDAL: And I recognize I'm  
16 introducing a topic that, you know, will go on for  
17 a while. I suggest we take a break at 12:00 -- I  
18 recognize -- I think opposing counsel also want to  
19 ask some questions, so why don't we continue until  
20 12:00 o'clock, we can take a short break for lunch,  
21 and then opposing counsel can ask their questions.

22 Does that sound fair?

23 MR. COLANTONIO: That sounds fine.

24 That's fine. Let me just --

1 Q. Doctor Gupta, are you okay with that?

2 MR. COLANTONIO: She wants to know if  
3 you're okay with that.

4 A. I'm okay with that.

5 MR. COLANTONIO: I'm sorry. Let me  
6 try to get this envelope open here. I'm trying --  
7 I don't want to mess this up, because I lose things  
8 very easily, that what my wife says anyway --

9 Exhibit 54. This is an opportunity to  
10 -- okay. Got it.

11 A. Okay, we're there.

12 Q. I apologize. My computer's taking a little  
13 bit so --

14 Doctor Gupta, are you familiar with  
15 this document?

16 A. These slides do look familiar, yes.

17 Q. And I'm going to direct your attention to  
18 the -- it's hard to see on the first page, but it's  
19 a bit easier to see on the second page. Do you see  
20 how in the left -- bottom left corner, there's an  
21 -- and it's vertical. There's a similar sort of  
22 serial number?

23 A. Yes.

24 Q. And I'll represent to you, these documents

1     were -- or this is one of the documents that your  
2     counsel produced to us. Is this something that you  
3     collected and gave to your counsel?

4           A.     I would say so. This looks very familiar  
5     to some of the documents I had provided.

6           Q.     Okay. And this is a presentation titled  
7     "State of Health"?

8           A.     Yes.

9           Q.     And it's dated October 26, 2018?

10          A.     Yes.

11          Q.     And is this something you created?

12          A.     Yes, I would have created. I may have used  
13     the assistance of my employees at the Bureau to  
14     create this.

15          Q.     Okay. But they would have done so at your  
16     direction, correct?

17          A.     Yes.

18          Q.     I would like you to turn to that first  
19     slide of the presentation, and I'll tell you it's  
20     the Bates stamp number that ends in 0920.

21          A.     Yes.

22          Q.     The second bullet on here discusses "the  
23     worst public health crisis in recent American  
24     history - the opioid epidemic - as a supply/demand

1 issue."

2 Did I read that correctly?

3 A. Yes.

4 Q. And what do you mean by "supply/demand  
5 issue?"

6 A. So over the time -- as you see, the date is  
7 2018, and I was in the office January of 2015, and  
8 I'm, of course, living in West Virginia. You could  
9 not escape this crisis even in 2009.

10 There have been various ways to discuss  
11 the most impactful crisis in a generation in the  
12 state, and I was always figuring out how can I talk  
13 about this topic and issue -- everybody's  
14 passionate about it.

15 But how can I explain and talk about it  
16 in a way that I can get the most of the time --  
17 make most of the time that I have the time, and  
18 often -- often it's easier to talk about -- it's  
19 very easy -- let me rephrase that.

20 It's very easy to become a passionate  
21 supporter of one side or another side or one aspect  
22 or blame folks. What is important - and was  
23 important for me; and still remains so - is to be  
24 able to communicate in evidence-based,

1 science-driven manner the complexities of the  
2 challenges that we were dealing with in a simple  
3 way.

4 So the challenge for the Commissioner  
5 is to distill down extremely complex issues that  
6 are killing Americans in general and West  
7 Virginians every 12 hours in a way that you can  
8 make people understand - all audiences of all types  
9 - in a matter of, you know, 30 minutes, 40 minutes,  
10 the big points.

11 And this was my way of explaining in a  
12 way as a demand/supply that people get it.

13 Q. And did that discussion include a  
14 explanation of essentially how the crisis came to  
15 be, or the factors that led to the development of  
16 the opioid epidemic?

17 A. Not necessarily always. Oftentimes, the  
18 factors discussed was oftentimes the volume of pain  
19 pills. It wasn't - as I mentioned before -  
20 necessarily a blame game that we did in public. It  
21 was more about, "Listen, we had this volume; here's  
22 how much it evolved over time; here's how it  
23 correlates with death and destruction; and then  
24 here's what we're doing about it," which is the



1 third bullet.

2 Q. And if you could turn to Slide 30, which is  
3 ending in Bates stamp number 0949.

4 A. I'm here.

5 Q. Does that reflect your discussion of a  
6 supply-side driver?

7 A. It's a blank slide. It does say "Supply-  
8 side drivers."

9 Q. It does or it does not?

10 A. It does. It just says "Supply-side  
11 drivers." It's not a slide.

12 Q. Right, I apologize. But going from there  
13 to Slide 35 which ends in Bates stamp number 0954,  
14 does that reflect your completion discussion of the  
15 supply-side drivers?

16 MR. COLANTONIO: Object to form.

17 A. I -- no, it doesn't. That's a really easy  
18 to answer, which is it does not.

19 Q. Why not?

20 A. Because this discussion doesn't talk about  
21 all of the factors. It uses the opioids, both in  
22 West Virginia, changes that has happened to opioids  
23 in West Virginia, as opposed to the country, as  
24 well as one of the factors, and it --

1 But it doesn't talk about the entire  
2 demand/supply chain; it doesn't talk about  
3 manufacturing; it doesn't talk about production; it  
4 doesn't talk about quotas; it doesn't talk about  
5 distribution; it doesn't talk about pharmacies; it  
6 doesn't talk about dispensing; it doesn't talk  
7 about the transition to heroin and fentanyl.

8 It doesn't talk about how the  
9 transition has happened from prescription to  
10 actively illegal and illegitimate drugs; it doesn't  
11 talk about how the deaths transitioned to meth and  
12 other stimulants in addition to depressants.

13 So there's a lot of facets to this. As  
14 I mentioned before, my job was to get people in a  
15 simplified way to understand in a matter of 30 to  
16 40 minutes. So I could spend all day talking about  
17 it but I wouldn't have anybody listening to me,  
18 because they would all be gone.

19 Q. Sure. And I understand that this doesn't  
20 reflect the full description of the opioid problem  
21 in West Virginia or nationally. What I'm asking  
22 is: Does this reflect your discussion of the  
23 supply-side drivers, as you've written here, of the  
24 opioid epidemic?

1 MR. COLANTONIO: Object as asked and  
2 answered.

3 A. So that isn't -- I only answered the  
4 supply-side. You know, all my previous answer  
5 includes that. I did not talk about the  
6 consequences of HIV, Hep C.

7 I only talked about the supply-side, so  
8 the entire -- the entirety of my answer includes  
9 the supply-side dynamics which I do not include in  
10 the slide -- in the slides that I have here.

11 Q. Okay. So does this rep -- I think you used  
12 the term "the big points." Does this reflect your  
13 understanding of "the big points" as far as supply-  
14 side drivers go?

15 MR. COLANTONIO: I'm sorry, object to  
16 the form. I'm sorry, I didn't hear what you said.  
17 You said "big point" --

18 MS. JINDAL: I'm sorry. He testified  
19 just a bit ago that his presentation here was the  
20 --

21 Q. So you said, Doctor: "So the challenge for  
22 the Commissioner is to distill down extremely  
23 complex issues that are killing Americans in  
24 general and West Virginians every 12 hours in a way

1 that you can make people understand - all audiences  
2 of all types - in a matter of, you know, 30  
3 minutes, 40 minutes, the big points."

4 Does this reflect your understanding of  
5 what the big points are when it comes to supply-  
6 side drivers?

7 A. No, I think my big points are the three  
8 bullets that you see on page 2 of that  
9 presentation. Those are the big points.

10 So if you see, I don't have a list of  
11 -- under Objectives, ten things. It's like three  
12 big points. Update on state of health; discuss the  
13 demand/supply issue. But that -- the big points  
14 doesn't relate to every slide or every aspect. The  
15 big --

16 So I could have objectives -- 20  
17 objectives, but at the end of the day, I have to  
18 have three big points. Like here's what I'm gonna  
19 talk about. I'm going to talk about the demand  
20 side here. That doesn't mean that the supply issue  
21 is also a big point that I have in slides or the  
22 demand side.

23 I can tell you the same thing in demand  
24 side, it doesn't include the big points. There's a

1 number of points, but that's not it.

2 So I refer to the big points as the  
3 objectives of my talk.

4 Q. I see. So when you put this presentation  
5 together, focusing again just on your -- the  
6 supply-side drivers, you recognize that you  
7 couldn't talk about everything under the sun,  
8 correct?

9 MR. COLANTONIO: Object to the form.

10 A. Could you please repeat that, please?

11 Q. Sure. When you wanted to put together some  
12 slides that explain the supply-side drivers of the  
13 opioid epidemic, you knew that you couldn't spend  
14 your entire 40-minute presentation on just that.  
15 Correct?

16 A. That would be reasonable.

17 Q. And you wanted to focus on the most  
18 significant take-away for your audience, correct?

19 A. That's correct. But I will ask if you look  
20 at the top of Slide No. 30, the title is "Opioid  
21 Epidemic - An Evolving Crisis."

22 So if you listen to me speak at the  
23 time, I would caveat this particular slide with a  
24 lot of things. So I can say, you know, "This is an

1 evolution and I don't want you to take away from  
2 this that this is exclusively what I focused on  
3 here. There are other aspects."

4 So I can get a discussion out of the  
5 public or whoever I'm presenting so we can have a  
6 discussion. So I wouldn't take what's on the  
7 slides as the -- the entirety or as the most  
8 important pieces.

9 They are very important parts of a  
10 discussion. I just want to make that clear.

11 Q. When you were determining what to include  
12 in this discussion of supply-side drivers, what  
13 were the other things that you could have included  
14 in this discussion but did not?

15 A. So as I mentioned, I would -- I would  
16 include -- "Let me explain to you how it works.  
17 Let me explain to you where the quotas come from.  
18 Let me explain to you the goal of everyone on the  
19 supply chain side." To the extent that I'm aware  
20 of that.

21 But you know, I would also say, "This  
22 is something that you should go look into, you  
23 should learn more about, because these things all  
24 relate back, you need to have a level of

1 understanding about these things, because they do  
2 impact whether" --

3 So I'm speaking to an audience of  
4 physicians or residents, I will say, "This impacts  
5 your prescribing." If I was speaking to a lay  
6 audience, I would say, "This impacts, you know,  
7 your son who has died or your uncle who has died  
8 and this is the reason this is the case."

9 So based on the audiences, I would be  
10 able to relate this back to those audiences. But  
11 this would be part of that discussion, but it would  
12 include a number of other factors, but those  
13 factors would also be guided by the audience I was  
14 speaking to.

15 So it's not a monogamous kind of  
16 discussion each time.

17 Q. And if you could just go through Slide 31  
18 really quickly. Slide 31 and 32 show the rate of  
19 all the prescriptions in West Virginia compared to  
20 the rest of the country, correct?

21 A. Yes.

22 Q. And this is not focused on opioid  
23 prescriptions specifically, but all prescriptions?

24 A. Yes.

1 Q. Okay. And you've highlighted West Virginia  
2 here on Slide 32 and Bates 0951, where West  
3 Virginia ranks number one in its rate of  
4 prescriptions.

5 A. Yes.

6 Q. Okay. And that is the statistic as of  
7 2016?

8 A. The source for that is the QuintilesIMS  
9 Xponent data of 2017. That's actually referenced  
10 at the bottom.

11 Q. Okay. I think I'm focusing on the title at  
12 the top. It says --

13 A. Yes, that's 2016 data.

14 Q. I'm sorry?

15 A. Yes. 2016.

16 Q. 2016. So West Virginia ranked number one  
17 in the annual prescriptions per capita in 2016?

18 A. According to this data, yes.

19 Q. Okay. And the next slide reflects the  
20 decrease in opioid prescription rates specifically  
21 from 2015 to 2016 in West Virginia, correct?

22 A. Yes.

23 Q. And West Virginia had the greatest decrease  
24 at 15.6 percent, correct?



1 A. According to this data, yes.

2 Q. Okay. And this is, again, the  
3 QuintilesIMS Xponent 2017 data for that report?

4 A. Yes.

5 Q. Do you have any reason to doubt the  
6 accuracy of this data?

7 A. I would not.

8 Q. And Slide 34 and 35 - these end in Bates  
9 Nos. 0953 and 0954 - these reflect the number of  
10 opioid prescriptions that were filled per capita in  
11 2017 -- in 2016, correct?

12 A. Yes.

13 Q. And meaning the number of prescriptions  
14 that were written by DEA-registered and state-  
15 licensed doctors and that were presented to a  
16 DEA-registered and state-licensed pharmacy by a  
17 patient, right?

18 A. "Prescribers" is the correction I would  
19 make.

20 Q. I --

21 A. But generally, yes.

22 Q. Thank you. I appreciate that. And is it  
23 fair to say that just looking at these slides, your  
24 assessment of the supply-side factors that led to

1 the epidemic - at least the ones that you have the  
2 most information on - is that prescribers wrote too  
3 many prescriptions for opioids?

4 A. Could you please restate that question?

5 Q. Yes. Let me put it this way: Why do you  
6 discuss the volume of prescriptions in West  
7 Virginia and in the rest of the nation as part of  
8 this presentation focusing on supply-side factors?

9 A. Because the total volume that was available  
10 had a direct relationship and a correlation with  
11 the death and destruction that was happening  
12 related to overall overdoses in the state of West  
13 Virginia.

14 Q. And when you say that the "total volume  
15 that was available," do you mean the total volume  
16 of prescriptions?

17 A. "Prescription" is a surrogate for the  
18 amount of pills that were flowing through in  
19 communities across towns of West Virginia.

20 Q. And the number of prescriptions are a  
21 surrogate for the number of pills why, in your  
22 opinion?

23 A. Because that is probably the closest way  
24 for a public health commissioner like me to be able

1 to correlate. I would not have access to the  
2 actual data other than published reports, you know,  
3 to the tune of what we found later to be 780  
4 million or what have you pills.

5 We at the time - as I recollect -  
6 weren't really aware of actual numbers, or we were  
7 close to aware of that -- being aware of that, but  
8 at the same time, prescriptions is the way to have  
9 the pills out there. I mean, there is appropriate  
10 prescribing and there is inappropriate prescribing.

11 But at the end of the day, it is  
12 through prescriptions that the flow of the pills  
13 are gonna end up there and be diverted.

14 Q. Okay, Doctor, I think we're almost at noon  
15 now. Why don't we go ahead and take that lunch  
16 break for about, say, until 12:30 and then we can  
17 come back and opposing counsel can take their -- do  
18 their questioning?

19 A. Okay.

20 MR. COLANTONIO: Okay, thank you.

21 THE DEPONENT: Thank you.

22 VIDEO OPERATOR: Going off the record.

23 The time is 11:53 a.m.

24 (A recess was taken for lunch after

1                   which the proceedings continued as  
2                   follows:)

3                   VIDEO OPERATOR: Now begins Media Unit  
4                   3 in the deposition of Rahul Gupta, M.D. We are  
5                   back on the record. The time is 12:34 p.m.

6                   MS. JINDAL: And I'll just explain --  
7                   we are going to pass the witness to counsel for  
8                   Cabell County and City of Huntington for an  
9                   opportunity for them to ask their questions, and  
10                  then they will pass the witness back.

11                  Go ahead.

12                  MR. COLANTONIO: Okay. This is Mark  
13                  Colantonio, and I'm counsel for Doctor Gupta. I  
14                  was actually going to ask Doctor Gupta questions  
15                  now if that's okay with everybody.

16                  MS. JINDAL: Sure. I'm sorry. I --  
17                  that's fine.

18                  MR. COLANTONIO: That's okay.

19                  THE DEPONENT: Do you want me to move  
20                  the camera --

21                  MR. COLANTONIO: No. You know what.  
22                  This is a little bit awkward because we're doing  
23                  this Zoom, and I'm actually sitting beside Doctor  
24                  Gupta. So --

EXAMINATION

BY MR. COLANTONIO:

Q. Doctor, just because of the extraordinary circumstances of this case in terms of the COVID and everything, what I would suggest is just look at the camera and what I will do is ask questions from the side, and then if you don't understand or need me to, you know, rephrase the question, just tell me and I'll do that. Okay?

A. Okay.

Q. All right. So Doctor, what I'd like to do in the next hour or so is kind of go through first your background, training and experience a little bit, and then go through -- you answered questions, bits and pieces, of your knowledge of this problem.

And I want to go through it basically from start to finish and what your views are and what conclusions you have been able to reach concerning what you've done in West Virginia and hopefully to give us some ideas about or opinions about how we might be able to potentially fix this problem. Okay?

A. Yes.

MR. GOOLD: Counsel, before you start,

1 this is Jim Goold. I represent -- Covington  
2 Burling. I represent McKesson. I just want to  
3 interpose a -- I'll call it a standing objection,  
4 that as far as I know, the doctor -- the good  
5 doctor is not a party, so he's not entitled to be  
6 run through a direct examination by his personal  
7 counsel.

8 I won't object to every question as we  
9 go along, but I do want the record to have my  
10 objection on it. Thank you.

11 MR. COLANTONIO: I understand, and you  
12 can have that standing objection. Okay?

13 MR. RUBY: And Mark, this is Steve --  
14 in a maybe related vein, just to make sure we are  
15 clear on the record, you are also - in addition to  
16 being counsel for Doctor Gupta here today - you are  
17 counsel for Cabell County and the City of  
18 Huntington in the cases before Judge Faber.

19 MR. COLANTONIO: That's correct, we  
20 are, and we have appeared as such. That's right.

21 MR. RUBY: But your position is that  
22 you are questioning Doctor Gupta today as his  
23 counsel and not -- not on behalf of the plaintiffs  
24 in the case?

1 MR. COLANTONIO: Well, I would take  
2 the position that we're questioning at this time on  
3 behalf of both.

4 MS. KEARSE: And this is Anne Kearse.  
5 I'm appearing on behalf of the City of Huntington,  
6 so -- if there's any issue with that.

7 MR. RUBY: So you're -- Mark, you are  
8 -- you're questioning as counsel for plaintiffs.

9 MR. COLANTONIO: That is correct.

10 MR. GOOLD: Well, but I believe you  
11 introduced yourself as appearing as personal  
12 counsel for the witness.

13 MR. COLANTONIO: I have. That's  
14 right, I have. I represent two -- at this point in  
15 time, I represent the witness and I represent  
16 Cabell County. That's correct.

17 MR. GOOLD: Well, we'll have to sort  
18 this out later. Okay.

19 MR. COLANTONIO: But no, I do.  
20 There's no question that in this particular  
21 instance, myself and Mr. Fitzsimmons represent both  
22 Doctor Gupta as a witness in this case, and we have  
23 - and still do - represent Huntington and Cabell  
24 County in connection with the litigation. That's

1 correct.

2 MR. GOOLD: But he's not as -- has not  
3 been designated an expert witness in Cabell/  
4 Huntington.

5 MR. COLANTONIO: I don't -- I think  
6 he's been designated as a nonretained expert, but I  
7 haven't reviewed the pleadings.

8 He's not a party; you're right about  
9 that. But he's not a -- I don't believe he's a  
10 retained expert. I believe he's a nonretained  
11 person who may render opinions as a nonretained  
12 expert.

13 MR. GOOLD: Okay, well, my objection  
14 stands, but I don't like to get into a long  
15 colloquial --

16 (Phone ringing)

17 MR. GOOLD: It's noted.

18 MR. COLANTONIO: Understood.

19 BY MR. COLANTONIO:

20 Q. All right, Doctor. So quickly just going  
21 through your educational background, you did retain  
22 -- you did obtain your doctor's degree from the  
23 University of Delhi. Is that correct?

24 A. Yes.



1 Q. And that's 1993?

2 A. Yes.

3 Q. And then you obtained a master's in public  
4 health from the University of Alabama-Birmingham.  
5 You testified to that, correct?

6 A. Yes.

7 Q. And you also obtained a master's in  
8 business administration from the London School of  
9 Business and Finance, true?

10 A. Yes.

11 Q. And then you have some teaching positions  
12 that you've held through the years and even now; is  
13 that correct?

14 A. Yes.

15 Q. You described some of these. Let's go  
16 through them briefly. So you were an assistant  
17 professor of medicine at the University of Alabama;  
18 is that correct?

19 A. Yes.

20 Q. And also a clinical assistant professor of  
21 medicine at Vanderbilt -- from 2007 to 2009? Is  
22 that true?

23 A. Yes.

24 Q. You also were assistant professor of

1 medicine at Meharry Medical College in Nashville;  
2 is that true, from 2007 to 2009?

3 A. Yes.

4 Q. You've held clinical teaching faculty  
5 position at the West Virginia School of Osteopathic  
6 Medicine in Charleston from 2010 to '14; is that  
7 correct?

8 A. Yes.

9 Q. You are a -- were a clinical assistant  
10 professor at the WVU School of Medicine in the  
11 Charleston campus from 2010 to 2015; is that true?

12 A. Yes.

13 Q. You are an associate professor at the  
14 University of Charleston School of Pharmacy from  
15 2011 to now; is that correct?

16 A. Yes.

17 Q. And you are a visiting professor at the  
18 Chan School of Public Health, Harvard University,  
19 from 2015 to now. Is that correct?

20 A. Yes.

21 Q. An adjunct professor of the Department of  
22 Health Policy, Management and Leadership at the  
23 public -- School of Public Health in West Virginia;  
24 is that correct?

1 A. Yes.

2 Q. And did I understand you to say that you  
3 helped form that school or helped form that  
4 program?

5 A. Yes. I helped both speak to the  
6 legislature to find the funding as well as instill  
7 the idea of the School of Public Health, the first  
8 school in the state of West Virginia.

9 Q. And you are board certified in internal  
10 medicine; is that true?

11 A. I am board certified as of 2019. I have  
12 passed the first part of the board exam in 2020. I  
13 let that certification lapse, again, because I was  
14 busy with other things, but I intend to regain that  
15 certification. The second examination is in  
16 October of this year.

17 Q. And I've looked at your resume. It appears  
18 that you have approximately 123 or so peer-reviewed  
19 articles you've published; is that correct?

20 A. Yes.

21 Q. And you've also appeared nationally on  
22 various national television programs and different  
23 programs related to opioids. Is that true?

24 A. Yes.

1 Q. Can you give us some examples of that?

2 A. Yes, so the PBS Nova did a documentary  
3 called "Addiction" and I was one of the four --  
4 three or four people that was featured, and the  
5 work of West Virginia was featured in that  
6 documentary. That's an example.

7 Politico did a feature on the work that  
8 was happening as well. And we've had over the time  
9 several number of both people recording, visiting  
10 and sort of following the work that has been  
11 happening in West Virginia.

12 Q. All right. And you've also served on  
13 editorial boards of different entities; is that  
14 correct?

15 A. Yes.

16 Q. You served as a peer review on several  
17 entities; is that correct?

18 A. Several medical journals and public health  
19 articles, yes.

20 Q. Have you also done some work for the CDC in  
21 connection with opioids?

22 A. Yes, I've worked very closely with CDC and  
23 their physician and have had the director of the  
24 CDC visit and he really made comments that he'd

1 like to see the work that we had done replicated  
2 across the country and other areas as well.

3 We've had also -- hosted the  
4 then-secretary of HHS, Tom Price, as well as the  
5 counsel to the president, you know, to demonstrate  
6 and showcase what was happening in West Virginia  
7 with Kellyanne Conway.

8 Q. And I've heard this term before of social  
9 autopsy. Have you heard that term often?

10 A. Yes. We -- so we seeing the declines in  
11 death about 10 to 15 to 20 percent each year during  
12 my tenure from 2016 and prior to that to -- finally  
13 in 2017, I asked -- one of the responsibility of  
14 the Commissioner is to be able to produce reports.  
15 So I asked my department to work at cross  
16 structures in West Virginia - for example, the  
17 Medicaid program, the EMS program, the Office of  
18 Medical Examiner, the Board of Pharmacy, the Board  
19 of Medicine - payors, to create a social autopsy.

20 What that meant was: We went back to  
21 all of the thousand or so deaths in 2016 from  
22 overdose and we basically conducted - a simplistic  
23 way to say it - a CSI-type of investigation.

24 So we up and did, we wanted to learn

1 from the dead to help inform those who are living.

2 And one of the ways we did that is: We  
3 looked at every single death and we investigated  
4 their past one year prior to death and understand  
5 what happened, what led to them dying, and then we  
6 cataloged that and published that report.

7 That report helped form -- helped us  
8 form an opioid task force where we brought in  
9 experts from Johns Hopkins, Marshall University,  
10 West Virginia University, as I had helped create  
11 the Office of Drug Control Policy under the  
12 supervision of the State Health Office and  
13 Commissioner at the time.

14 The drug czar that I hired who was the  
15 former police chief of Huntington, West Virginia,  
16 he led this task force that came up with  
17 recommendations that then subsequently resulted in  
18 two pieces of legislation - the Senate Bill 273 and  
19 Senate Bill 272 in 2018 - one of which was called  
20 the Opioid Reduction Act.

21 Now, back to the social autopsy, why we  
22 ended up with the Senate -- two Senate bills  
23 essentially passing unanimously for both parties  
24 and being signed by the Governor is because of the

1 findings, the evidence-based findings that we had  
2 from the social autopsy.

3 We found that even then - in 2016 - a  
4 significant amount of people who were dying had  
5 filled their prescription within 30 days of their  
6 death. We also found a significant type of people  
7 that were incarcerated and then released and then  
8 died, overdosed and died.

9 We found that three out of those four  
10 people that died tried to seek help before their  
11 time of death within the last year. We also found  
12 that there wasn't sufficient amount of naloxone  
13 that was being given to people to help them  
14 survive.

15 There weren't enough facilities that  
16 were available. So those are the kind of things  
17 that became important, and that was something that  
18 was not only done in West Virginia, but subsequent  
19 to that, we started receiving requests from states  
20 and large cities all over the country, because they  
21 wanted to repeat what we had done.

22 So we started providing temporary  
23 assistance to, you know, a handful of states at the  
24 time, but many more afterwards, and therefore the

1 CDC director obviously made that point to me  
2 personally that he wants to see this happen for  
3 other diseases as a way -- a new way to learn in  
4 order to inform how to address the problems.

5 Q. And when you mention you did this -- you  
6 did this study about deaths and you said within 30  
7 days of their death, they had a prescription, a  
8 prescription for what?

9 A. Prescription for a controlled substance.

10 Q. And did those controlled substances include  
11 opioids?

12 A. Yes.

13 Q. So you also obviously served as the chief  
14 health officer in Kanawha County, State Health  
15 Officer, correct?

16 A. I was the local health officer for Kanawha  
17 County prior to becoming the State Health Officer.

18 Q. And Kanawha County is from '09 until what  
19 year?

20 A. December of '14.

21 Q. In December of '14, you took the role as  
22 the state chief officer and you kept that role  
23 until 2018?

24 A. January of 2015 to November of 2018.



1 Q. And in your positions in West Virginia, did  
2 you deal with the issues related to the opioid  
3 problem on essentially a daily basis?

4 A. Yes.

5 Q. You've also served on some advisory  
6 councils listed in your CV, and do any of those  
7 specifically deal with - as you recall - opioids?

8 A. The Governor's advisory council, as was  
9 mentioned earlier, is one of the most prominent  
10 ones that my position allowed me to sit on and this  
11 had mostly the heads of the agencies within the  
12 state of West Virginia that were working to attempt  
13 to help create solutions to this crisis.

14 Q. You now work for March of Dimes; is that  
15 true?

16 A. Yes.

17 Q. What's your position?

18 A. I'm the senior vice president and the chief  
19 medical and health officer and interim chief  
20 science officer of March of Dimes.

21 Q. And what's the mission of the March of  
22 dimes?

23 A. It's to have healthy moms and strong  
24 babies, so it's basically maternal and infant

1 health.

2 Q. And you mentioned your background and  
3 experience in terms of primary care physician, you  
4 did have some experience in Alabama and Tennessee;  
5 is that correct?

6 A. Yes.

7 Q. And you were able to see firsthand from  
8 that experience the -- as you describe, the change  
9 in how opioids were being prescribed?

10 A. Yes, I saw it -- I actually wanted to  
11 mention it -- and I'll mention now -- the fact that  
12 today is September 11th, and I could tell you, on  
13 September 11th, 2001, I was in Florala, and I  
14 believe on September 12th, 2001, as I came to my  
15 office around 8:00 o'clock in the morning, my  
16 secretary said, "Hey, there's two FBI agents  
17 waiting for you in the waiting room."

18 And you can imagine. I mean, it was a  
19 very fearful time for everybody across the country.  
20 And as they came into my office and started  
21 talking, it became very clear -- this is, again, a  
22 very rural town in the middle of nowhere literally.

23 And basically they brought with them a  
24 fake prescription of someone that had managed to

1 provide my signatures and they basically were doing  
2 the due diligence investigation and it was for  
3 opioids. Basically asking --

4 So this is something that I dealt with  
5 firsthand, both from a suffering patient standpoint  
6 to both, you know, having law enforcement agencies,  
7 and work with them in a local capacity, to see the  
8 carnage that was happening at the time.

9 Q. All right. So in your roles that you  
10 served in West Virginia in dealing with this  
11 problem, the opioid problem, did you -- did it  
12 cause you to learn over the years, working there,  
13 the number of prescriptions or pills delivered to  
14 the state of West Virginia during the time you were  
15 there?

16 A. Yes.

17 Q. How about the number of overdoses in West  
18 Virginia during the time that you were there?

19 A. Yes. I was -- remained over the chief  
20 medical examiner, I oversaw -- you know, I was  
21 monitoring that.

22 Q. How about the number of deaths that was  
23 occurring in West Virginia and the addiction rates  
24 in West Virginia?

1           A.     So the deaths were so bad, now they hear on  
2     the news, you know, that New York City has  
3     air-conditioned trailers out there for pandemic. I  
4     can tell you we had those back in 2015. We had  
5     dead bodies that were accumulating at a rate that  
6     we could not keep up at the medical examiner's  
7     office.

8                     So we had to get trailers that were air  
9     conditioned, and when we sort of figure out what --  
10    how do we say that, so we can keep the gracefulness  
11    of dead bodies. So we -- you know, we developed  
12    names, mobile units, blank lines so that when we  
13    explained to the public how we are doing it, we are  
14    speaking in a graceful way so it doesn't look like  
15    we are disrespecting the dead.

16                    But the fact of the matter was, we were  
17    putting bodies in trailers outside because we were  
18    so overwhelmed with the number of bodies that were  
19    coming in every single day.

20                    Now, on one hand, that was happening.  
21    That's carnal.

22                    The second side of this was, you know,  
23    our medical examiner offices inside Charleston had  
24    bullet holes in it. So that was the other

1 consequence -- law enforcement consequence. That  
2 this was leading to drug wars and other aspects  
3 within the town and our building was physically  
4 being destroyed. That was the safety.

5 And the third half aspect was that we  
6 were not only having autopsies conducted as  
7 accordance with law, but we were also monitoring  
8 the number of drugs in decedents.

9 So we would send it off and we have  
10 sophisticated labs -- better laboratories than the  
11 office of the chief medical examiner, and we were  
12 finding that there was an incline in the number of  
13 drugs that were being found in the body of the  
14 decedents, legal and illegal. So they would have  
15 between three and five substances being found.

16 That often included opioids; it could  
17 include street drugs; it could include the  
18 benzodiazepine group of drugs as well.

19 Q. And so did you also learn from these  
20 experiences the type of drugs that were being used  
21 and abused and by people that were addicted to  
22 these drugs?

23 A. Yes, we had some of the best data in the  
24 country because we were being very meticulous in

1 the way we were doing things though we were lacking  
2 a lot of resources.

3 Q. And in your role -- roles you served in  
4 West Virginia, did you become -- did you deal with  
5 families yourself on a daily basis?

6 A. Yes. So I had a open door sort of method  
7 to my office, so I would often get calls from  
8 individual families. I would go to funerals when I  
9 could. I would go to town halls, work off of  
10 members of the legislature to hold town halls.

11 I would hear mothers talking about that  
12 they'd rather their child stays in the jail just so  
13 that they wouldn't die because they know that  
14 they're gonna die if they get on the street.

15 So we heard a lot of heartbreaking  
16 stories, first person, of families that were  
17 suffering. Oftentimes -- I mean I vividly remember  
18 going to speak at the County Board of Education --  
19 we had about 400 school teachers, at least, and I  
20 asked the question when I'm speaking, I said, "How  
21 many of you -- raise your hand if you've been  
22 affected by the opioid crisis."

23 And not a single hand that did not go  
24 up. So this was a routine -- that was a rule, not

1 an exception. That any meeting I'd go to - whether  
2 there was 100 people, 10 people, 1,000 people in  
3 West Virginia - I would have -- see literally every  
4 hand go up when you asked people, and they would  
5 all have their own stories to tell.

6 Q. And in your experience in West Virginia,  
7 your roles as you've described, did you also have  
8 occasion then to deal with -- identifying, as  
9 you've described, and deal with this problem of  
10 volume?

11 A. We did. We actually worked with the Board  
12 of Pharmacy, so we got funded by the CDC.  
13 Somewhere in 2015-16, it was the PDO grant, I  
14 remember, prescription drug monitoring grant, that  
15 we were then able to embed a person from the Board  
16 of Pharmacy and pay for them, basically, to be able  
17 to --

18 One of my initial problems was, other  
19 than law enforcement, we didn't have access to the  
20 data.

21 So it was very easy to say, how do we  
22 fix it -- but the problem was that the law  
23 enforcement and other people, I mean, the law did  
24 not allow us free access to the data, and then it

1 should not either allow anybody free access to very  
2 sensitive data.

3 So one of the ways we were working with  
4 it -- we were trying to work within the confines of  
5 the law to make things happen to find solutions.  
6 So we were able to embed an individual -- an  
7 employee of the Board of Pharmacy, so that's when  
8 we started to understand better the characteristics  
9 of the dead.

10 That's when we did the social autopsy  
11 and that's when we were getting a better idea of  
12 what was happening.

13 Q. And you also, is it true, firsthand dealt  
14 with West Virginia's response to this epidemic and  
15 problems and things were responsive to; is that  
16 true?

17 A. Yes, so we saw -- oversaw a HIV outbreak.  
18 We saw a -- not only in Huntington subsequently,  
19 but prior to that, we saw a outbreak of HIV in the  
20 LGBT community in southern West Virginia. And I  
21 can tell you that was one of the most sensitive and  
22 and difficult outbreaks to manage without having to  
23 raise flags.

24 Because we knew -- I had seen in my



1 experience in local hospitals where in our state in  
2 West Virginia, just being outed as a gay person  
3 could get you killed, to be honest.

4 So we had an outbreak that came -- had  
5 to deal with, a very -- so we have to work with  
6 dark web and other aspects. We saw Hepatitis A  
7 outbreak that was directly related to the opioid  
8 crisis and the IV drug use that was happening,  
9 which was large and started -- part of a  
10 multi-state outbreak, but it got really ingrained.

11 But we had -- we continued to have the  
12 highest levels of Hepatitis B and C also in  
13 addition to other challenges. We had from 83 to 85  
14 percent of the foster care cases that were  
15 happening - which is one of the largest budgets of  
16 DHHR - was actually being attributed to, in one way  
17 or the other, opioids, whether through the family  
18 or otherwise.

19 But we were dealing with that, in  
20 addition to the neonatal abstinence syndrome  
21 tsunami that was coming in.

22 Q. All right. So do you believe from your  
23 background trending experience - especially in West  
24 Virginia - that you had a firsthand seat viewing

1 the causes and effects of this opioid problem in  
2 West Virginia?

3 A. Unfortunately, I did. And I had to see  
4 firsthand what was happening on a daily basis,  
5 going to the practitioner, as somebody who lived in  
6 the community, had children going to school in the  
7 community and seeing those consequences as part of  
8 being in the community, as well as being one that  
9 was trusted to find solutions to this.

10 Q. And that would include Cabell County, true?

11 A. Yes.

12 Q. And now, you mentioned the term in some  
13 questioning before "upstream/downstream." What do  
14 you mean by that?

15 A. So there are limitations to what states can  
16 do, and that has to be recognized, and I certainly  
17 did.

18 The upstream relates to things that are  
19 not directly under our control. That means it's  
20 everywhere from having the quotas, enough to  
21 manufacture, to be able to have the manufacturing  
22 to be -- and to distribution.

23 Most people have something that -- if  
24 we compare it to, it's like the dam. There are

1 aspects of that dam that are in place, and there's  
2 rules and systems in place that generally are  
3 governed by federal law in order to prevent  
4 downstream effects.

5 But when that dam breaks, the problem  
6 is the flooding of towns and cities and death and  
7 destruction. So the downstream effects that happen  
8 because that is all of the things that we were  
9 trying to do: Incrementally address problems  
10 through legislation, policy changes, you know,  
11 doing everything we could in our power to bring  
12 from social autopsy to finding ways to start Harm  
13 Reduction clinics.

14 I was the first Commissioner to -- in  
15 the first few months of my coming in, I helped fund  
16 the first program in Cabell County, Harm Reduction  
17 Program, that still exists today from state dollars  
18 because we knew that was important. So those are  
19 the downstream pieces.

20 And a lot of times the downstream  
21 pieces are just being reactive. You're trying to  
22 fix the problems because if not, people die or  
23 suffer. But the opportunities really to do  
24 something, I believe, are much more being proactive

1 at the upstream.

2 Q. So based upon your experience you  
3 described, your background, training and  
4 experience, you believe that you possess a high  
5 degree of understanding about addiction?

6 A. I believe I possess a -- a pretty good  
7 degree of understanding addiction.

8 Q. And how it happens?

9 A. Yes.

10 Q. About what it does to the body?

11 A. Yes.

12 Q. About its consequences?

13 A. Yes.

14 Q. And about potential treatment of that?

15 A. Yes.

16 Q. Do you also believe that you possess a high  
17 degree of understanding as to the opioid crisis/  
18 epidemic in West Virginia?

19 A. Yes.

20 Q. As to its timeline?

21 A. Yes.

22 Q. As to its causes?

23 A. Yes.

24 Q. As to its consequences to the state of West

1 Virginia, including Cabell County?

2 A. Yes, having lived and seen it, yes.

3 Q. And hopefully - this is maybe the most  
4 important question - potentially how to fix it or  
5 abate it?

6 A. Yes.

7 Q. All right. So let's talk a little bit  
8 about history and -- so go back to the 1990s, that  
9 time frame. You've described this before. There  
10 are legitimate reasons to prescribe opioids. Is  
11 that correct?

12 A. I believe so.

13 Q. And what is -- in your view, what are the  
14 legitimate reasons to prescribe opioids?

15 A. So I believe the legitimate reasons that  
16 opiates have not really changed a lot since the  
17 1990s. And they can be chronic disabling pain  
18 towards the end of life, especially unrelenting --  
19 the pain that happens as a consequence of cancer,  
20 some of those areas.

21 There are sometimes disabling arthritic  
22 disease -- a number of arthritis processes through  
23 which they are progressive, chronic and difficult  
24 to deal with, those situations.

1                   So there are a number of chronic  
2                   conditions in which -- these are two examples where  
3                   opioids should be the last resort, but they do  
4                   often become the last resort and it's very  
5                   important that we continue to have the ability and  
6                   availability to provide that.

7           Q.     All right. And that --

8           A.     And --

9           Q.     I'm sorry. Go ahead.

10          A.     Of course, I was going to say, acute pain,  
11                 oftentimes same way. When fractures happen,  
12                 injuries happen, post-operative, other aspects.  
13                 There are places for opioids to be appropriate to  
14                 supply.

15          Q.     All right. And post-operatively, acute  
16                 pain, would that be what you would consider  
17                 short-term, long-term or how would you --

18          A.     That would be short-term, and that may not  
19                 be a first choice. Opiates may not be a first  
20                 choice to prescribe that, but they would be in the  
21                 process somewhere in there.

22          Q.     And is it true -- were you involved with an  
23                 act in West Virginia that talks about prescribing  
24                 opioids and the appropriate circumstances? Are you

1 familiar with that?

2 A. If you are referring to the Opioid  
3 Reduction Act --

4 Q. Yes.

5 A. -- which is Senate Bill 273 in 2018 -- and  
6 I know that because I helped draft that.

7 Q. All right. And would that bill contain  
8 your views about opioids?

9 A. So we drafted it. We could get legislation  
10 successfully passed with overwhelming support, and  
11 it applied -- you really need, you know, all sides  
12 to come together.

13 So one of the things that happened was  
14 that it went through the process of negotiation and  
15 agreeing. So I met with the chairman of both the  
16 House and -- House Health Committee and other  
17 leaders, to make sure that it got to a place where  
18 everybody was satisfied and agreed and did not  
19 compromise the essence of both CDC guidelines as  
20 well as good clinical practice.

21 So we ended up in passing that Act, was  
22 a -- a reasonable effort to address the  
23 contemporary crisis that we were facing.

24 Q. Have you had a chance to examine statistics

1 concerning - as you described - the legitimate uses  
2 for opioids? Have you had a chance to examine  
3 statistics that showed the need in the West  
4 Virginia population for those legitimate needs, as  
5 it existed back, let's say, in the 1990s?

6 A. So part of the Commissioner's job is to be  
7 a -- not only Commissioner with force, but be  
8 monitoring those reports -- so yes, as time went on  
9 in my tenure at the office, it was very important  
10 for me to monitor: What are the rates of obesity?  
11 What are the rates of arthritis overall going on?  
12 What's the rate of poor health condition? What's  
13 the rate of dental health? What's the rate of, you  
14 know, injuries that are happening overall?

15 So some of the reasons for which you  
16 would provide opioids are the rates that we monitor  
17 year after year.

18 Q. All right. And so you've heard the term  
19 "baseline" before?

20 A. Yes.

21 Q. What -- in your view, would those  
22 statistics, in your view, form sort of a baseline  
23 for -- you could consider as a physician, as a  
24 public health person experienced as a baseline for



1 need of opioids back in the 1990s for West  
2 Virginia?

3 A. Yeah, I think that would be as a fair  
4 assumption, not having absolute numbers and  
5 absolute science behind it. I think you could say  
6 that whatever the prescriptions were happening  
7 before the standards of care for pain changed could  
8 be taken and construed fairly as a baseline, but  
9 also understanding at the same time that some of  
10 those dynamics also may involve a change.

11 For example, you know, cancer rates or  
12 the mining jobs that may have required opioids  
13 before, the changes in job -- actually should  
14 change -- also parallel the need for opioids over  
15 time.

16 Q. Yeah. So that gets to my next question,  
17 which is: Have you had a chance to look at whether  
18 there were changes in those -- the rates or the  
19 number of those categories of people that might  
20 lead you to believe there was a need -- increased  
21 need for opioids?

22 A. So when I commissioned the report to look  
23 at analytically the opioid crisis from a historical  
24 context from 2000-2015 - again, that was the first

1 report of its kind during this crisis - I don't  
2 recollect at this point whether it made it in there  
3 or not, but we did look at those numbers.

4 And, you know, we had found that, hey,  
5 the cancer rates are actually going down over time.  
6 We found that, for example, mining jobs went down.  
7 I mean, that's kind of public knowledge. So you  
8 know, industry jobs that require hard labor and  
9 other aspects, that was part of the job loss that  
10 we were having.

11 We know that the mining injuries were  
12 going down. That was the -- you know, the mining  
13 work. We know that the -- you know, there was a  
14 little rise in arthritis because there was a rise  
15 in obesity, so to counter that.

16 There was some -- you know, one point  
17 rise in arthritis. There was additional people  
18 that came into by the expansion of ACA that I was a  
19 proponent of in 2010 to Governor Tomblin, and there  
20 were some more people that were sick and needed  
21 medication.

22 But that was a miniscule amount as  
23 opposed to the people that had cancer or mining  
24 injuries or other things, other prescriptions going

1 down.

2 But as a minimum, it was a fair -- no  
3 change. But it could be that the need went a  
4 little bit down actually over time.

5 Q. So from that analysis, were you able to  
6 form any conclusions about whether or not these  
7 legitimate needs for opioids had changed from the  
8 1990s to, let's say, 2016/2017 in West Virginia?

9 A. Yes. So the population loss happened  
10 overall in West Virginia over that time, and as I  
11 mentioned, the legitimate need - at best - was the  
12 same, and most likely actually went down a little  
13 bit.

14 Q. And during that same time period, were you  
15 able to discern from your -- the statistic you had  
16 available and the work you did whether the volume  
17 of opioid pills from the 1990s to 2000 to '16/'17  
18 actually decreased?

19 A. The volume clearly increased several fold,  
20 several loss --

21 Q. And do you have any statistics you can you  
22 tell us -- you mentioned prescriptions and some  
23 questioning for in terms of number of  
24 prescriptions, the number of pills, give us an idea

1 of the increase in volume that you found.

2 A. You know, I think the most compelling is  
3 the review of the work that I -- you know, I read,  
4 which is -- it comes from Eric Eyre's work which is  
5 about 780 million pills between the span of between  
6 2006/'07 and 2012. That would be in terms of  
7 volume.

8 That would be the most emphatic to me  
9 to look at.

10 Q. And do you have anything for us to compare  
11 that to to give us an idea of what would be -- how  
12 big that measure is, that 700 and some million  
13 pills, compared to something -- something else?

14 A. So for a population of 2 million people,  
15 approximately 1.8 million people, clearly that  
16 would be significant. In my presentation, I also  
17 talk about, you know, overall the total volume in  
18 the country was the total volume prescription per  
19 person in 2006.

20 That was about 130 prescriptions per  
21 100 people - men, women and child - in West  
22 Virginia, and clearly the numbers -- I don't  
23 remember right now, but the numbers are  
24 significantly lower in the '90s.

1           Q.    Now, you mention in some questions and  
2    answers about change in the standard of care and  
3    attitudes about opioids.  What I'd like you to do  
4    now is, if you can -- do you first have an opinion  
5    as to what you believe was the cause of the  
6    dramatic increase in opioid pills delivered to  
7    West Virginia within Cabell County from the late  
8    1990s through the mid two thousand teens?

9           A.    So as I stated, the first inciting event  
10   was the effort to change the standards of pain and  
11   care for pain.  As we changed the standard of care  
12   for pain in somewhere around late 1990s -- and  
13   really, I think it was like Robert Wood Johnson  
14   funded the work initially in 1997 that led to the  
15   JCAHO having that changed standard and the Pain  
16   Society working at the same time, the VA, federal  
17   government had changed, and this extraordinary  
18   effort was placed.

19                   There was quote, you know, several  
20   reasons for it that we were being detailed on.  One  
21   was the more ethical, we have an obligation to  
22   provide patients an absolute zero level of pain,  
23   they have to come down from 10 to zero.

24                   The other was, you know, you could be

1 held liable if you don't do that, so it was the  
2 most punitive aspects of it.

3 And the third was, that there is no  
4 addiction, no consequences and this was a really  
5 good safe medication to buy and there's no  
6 diversion.

7 What was happening really during this  
8 time was the message that was being sent to us -  
9 now looking in retrospective back - was that, you  
10 know, you have a set population that was going to  
11 get the prescriptions in this context of changed  
12 standard of care of pain.

13 They were getting the prescriptions, so  
14 you get a tooth pulled - and that numbers hasn't  
15 changed over time - you know, and you get 30 days  
16 of -- 30 days of liberal prescribing of an opioid.

17 You may be using two pills or three  
18 pills and then they go, you know, in your closet,  
19 medicine cabinet.

20 So what happens is: If you used it for  
21 more than three to five days, you have a high risk  
22 of becoming addicted -- having addiction. If you  
23 used it for fewer days, then there's a high risk of  
24 diversion right there.

1                   When that diversion started to happen,  
2                   and it became a norm in the community - meaning  
3                   your children or grandchildren or other people;  
4                   they were there, they got it - friends and  
5                   families, then that caused those people to become  
6                   addicted to these medications.

7                   When that happened, then that diversion  
8                   led for those people to find ways to get those  
9                   prescriptions. So they would then figure out all  
10                  of the inappropriate prescribing began or continued  
11                  and really got voluminous at that point.

12                  So what then happens was: These people  
13                  were pushing through doctor shopping; they were  
14                  pushing through -- come out of the woodwork in so  
15                  many ways. There were lost prescriptions, you  
16                  know, getting and stealing from anywhere they can  
17                  steal from, and that just drove the volume -- that  
18                  continued to drive the volume.

19                  And that volume continued to get  
20                  diverted. So we got to a point where the  
21                  significant percentage of that volume that was  
22                  coming out was inappropriate, and the -- it  
23                  basically -- you know, the appropriate volume that  
24                  was appropriate at one point just dwarfed in front

1 of the extremely high amount of inappropriate  
2 volume, which is actually going towards diversion  
3 in all of these cases literally, and that as a  
4 result of that, the only way to get out of that was  
5 to die.

6 So once you have addiction and we --  
7 there were no -- an adequate amount of treatment  
8 facilities, because that hasn't been identified as  
9 an issue at the time, and the way you could get out  
10 of addiction is by dying, by overdose and dying.

11 So that was the -- that was what was  
12 happening at the time.

13 Q. All right. Let's talk a little bit about  
14 addiction. So how do you define "addiction"?  
15 What's your working definition?

16 A. So the way these medications -- I can just  
17 broadly first of all say addiction is a process  
18 that can be physical or physiological in nature  
19 where your body gets used to whatever that  
20 substance is and wants to have it -- desires it a  
21 lot more.

22 Now, it can result in both a physical  
23 addiction as well as a psychological addiction,  
24 either or both.



1           Speaking of the opioids in specific,  
2       when we take opioids, we have this very basic  
3       foundational understanding of the brain. There's  
4       our inner brain or the fundamental places of the  
5       brain, you know, there's stimulus that allow us to  
6       survive.

7           What that means -- what I mean by that  
8       is it exists in all animals. You -- you feel  
9       hungry, there's a reason you eat, because when you  
10      eat, you feel good.

11          The reason you feel good is that  
12      there's a release of this chemical called Dopamine.  
13      So same way, when you're thirsty, you drink. The  
14      result of that drinking water is that your Dopamine  
15      gets released and tells you -- that's a positive  
16      reinforcement for you.

17          Same way with sexual activity. So  
18      there are a few things that are important to our  
19      survival as human beings, or any animal. The way  
20      we get rewarded, the reward system, is by this  
21      Dopamine release and it makes us feel good.

22          Now, these medications, seem to work  
23      similarly. But what they do is basically they  
24      hijack that system. And so in that hijacking, that

1 inner brain that is causing the release of  
2 Dopamine --

3 Initially the morphine - actually, or  
4 opioid of any type - makes you release that  
5 Dopamine, and you feel good.

6 After a while, it doesn't work as well.  
7 And then you start to require an escalation of the  
8 dose. And so basically that inner brain, if it  
9 doesn't get that, it asks your outer brain in some  
10 way - it's a prefrontal cortex - to do things, to  
11 change its behavior in ways in order to seek that  
12 drug to supply it.

13 So after a while, it's not just about  
14 getting high; it's actually about surviving and not  
15 getting withdrawal symptoms. So typically, if you  
16 don't do it, the inner brain is going to punish  
17 you.

18 And a person is fearful of that  
19 punishment, so that inner brain sends messages to  
20 the outer brain to say, "Hey, I need you to go and  
21 engage in activity" - whether that's stealing,  
22 prostitution, other aspects - "in order to feed me  
23 the habit to continue with the drugs."

24 And that's why when we say it isn't an

1 addiction, it's a disease, it's not a will -- it's  
2 not something that people can will to do. Maybe it  
3 was a will the first couple of times; but  
4 afterwards, it's not. It truly is a disease,  
5 because that inner brain basically hijacks the rest  
6 of your brain and the rest of your body.

7 Q. All right. So is it fair to say - and you  
8 tell me if I'm wrong about this - that when people  
9 become addicted; when they're not able to get what  
10 they can to fill the addiction that they -- the  
11 brain tells them, "Go out and do anything you can  
12 to fill that need."

13 A. Yes.

14 Q. And does that, in your opinion -- or do you  
15 have an opinion whether that leads to things like  
16 diversion and further abuse of drugs and adverse  
17 consequences of addiction?

18 A. So at that point, that person is not in  
19 control of themselves. Their inner brain has  
20 hijacked the entire body. At that point, this  
21 monster inside is telling them to seek opioids in  
22 one form, shape or other.

23 Whether it's for them to divert the  
24 prescription pills; it's for them to fake a

1 prescription; it's for them to go to the doctor and  
2 lie in order to get their prescription; or it's for  
3 them to go and harm themselves or their children -  
4 which I have also seen - or their pets - which I  
5 have also seen - and get those medications by hook  
6 or by crook; or go on the street, if it's not  
7 available, and get heroin or fentanyl-laced heroin.

8           It doesn't matter to them, the brain.  
9 What matters to the brain is: It needs that feed.  
10 And that's basically the forces that are in play.

11           Q. You mentioned "inappropriate prescriptions"  
12 before and used that term. And "inappropriate," do  
13 you mean both diverted and unnecessary  
14 prescriptions in your view?

15           A. Yes. So the one side of supply which is,  
16 you know, when you make the standards of care  
17 change, what basically happens is, you're  
18 logorhythmically increasing the number of people  
19 who become addicted, and as they are using more  
20 prescriptions, they are also demanding and acquiring  
21 more prescriptions.

22           So that's where the inappropriate  
23 prescriptions lead to increased volume, and most of  
24 that is diverted volume.

1                   So basically that's the inappropriate  
2                   prescription, and it may have begun with being  
3                   unnecessary: Like I said, 30 days prescription for  
4                   a tooth pulled. But it eventually leads to  
5                   diversion. And that diverted prescription leads to  
6                   more diverted prescriptions and more diversion of  
7                   pills.

8                   So over time -- that's the reason you  
9                   saw progressive increase in deaths. It wasn't in  
10                  2000 the system changed and in 2003 we have the  
11                  peak. We start to increase because more and more  
12                  population over the time gets more and more  
13                  addiction and then so therefore they need more and  
14                  more prescriptions.

15                Q. All right. And so do you -- based on this  
16                -- your opinions you form in this -- this crisis  
17                and your work, if you were to take a hypothetical  
18                year sometime in - I don't know, 2010, 2008 - and  
19                look at the total volume of prescriptions or pills  
20                in West Virginia, would you be able to have an  
21                opinion as to how much of that total volume would  
22                be what you call "inappropriate" versus  
23                "appropriate?"

24                A. So you would have to -- you could do that.

1 What you would have to do is you would have to go  
2 back to the baseline, and you have to make an  
3 assumption here that, let's say, before 2000, the  
4 amount of prescriptions --

5 If you have a relatively stable  
6 population and relatively stable conditions for  
7 which the opioid prescribing was done, you use that  
8 as a baseline prior to the change in the standard  
9 of practice -- standard of care for pain.

10 And then you start comparing it  
11 throughout those years. And you see the  
12 prescriptions are going up, that means the pills  
13 are increasing more in amount as well as in volume  
14 as well as in the strength. But the conditions  
15 aren't changing and your population necessarily  
16 isn't changing.

17 So that tells you how much of a  
18 difference between the two is the diversion of  
19 prescriptions -- and so that's how you get there.

20 If you ask me what that number would be  
21 - I think that's what you're trying to ask - I  
22 think it -- at best, that would be about 80 percent  
23 of those prescriptions are diverted, at best. It  
24 could be more than that, clearly based on whatever

1 the numbers are in 2000. But that's what I would  
2 say.

3 Q. All right. In terms of addiction -- you  
4 talk about how it affects the brain. In your back  
5 -- based on your background, training and  
6 experience, do you believe that the addiction's  
7 effects on the body can be altered or --

8 A. I'm sorry, could you repeat that?

9 Q. Sure. So in terms of -- you talk about one  
10 of the effects of this crisis is the number of  
11 addicted people, to the drugs. Do you believe that  
12 that addiction can be -- I don't want to use the  
13 word "cured, fixed."

14 Can it be abated, can it be -- can that  
15 problem be solved?

16 A. So it could be solved basically two ways.  
17 The one is the way we would -- we -- it's being  
18 solved before anything, which is by death. So that  
19 would be the ultimate liberator.

20 And unfortunately, that's been  
21 happening way too much in West Virginia. In fact,  
22 we have 33 percent above the next state year after  
23 year.

24 The second way to do is - which I think

1     there's a very broad agreement of this - is to  
2     actually have evidence-based programs that could  
3     provide the FDA -- free medication that are FDA-  
4     approved, some version of it -- and engage the  
5     person but it's not just medicine. It's actually  
6     medicine, it's counseling; it's providing best  
7     supportive lifelong care.

8             Because once a person becomes addicted  
9     -- you know, it's like anything else, whether  
10    you're addicted to -- in some ways, addicted to  
11    food, addicted to tobacco, alcohol, others, you  
12    need lifelong support.

13            So yes, you can. And if you get  
14    appropriate lifelong care, you have three out of  
15    four people, we will be able to actually help them.

16            Now, how far do we fix them? We just  
17    don't know that. There are some characteristics,  
18    some people that might need treatment for a few  
19    years and they may be able to get off. Others may  
20    need lifelong. We don't know in science very well  
21    with high level of confidence what drives some  
22    people to get off --

23            Just like we don't know if you give ten  
24    people opioids for four to five days, few -- some



1 people become addicted and not others. So there is  
2 lot we don't know in science.

3 Q. These medications, the treatment, how do  
4 they work in terms of trying to fix the brain?

5 A. So there's three FDA-approved medicines:  
6 Methadone, Buprenorphine, Naloxone. So the  
7 methadone is a agonist. So there's immune  
8 receptors in the brain. That's where the opioid  
9 acts. And they're acting in a different way.

10 So the methadone is an agonist, meaning  
11 it goes and attaches to the receptor, pretty much,  
12 stimulates it a little bit and keeps it occupied.

13 Buprenorphine is kind of a  
14 agonist/antagonist. So in some properties, it is  
15 an agonist and does occupy it; in some properties,  
16 it doesn't supp -- push a lot of the good feeling.  
17 And then you combine with that naloxone, which is  
18 an antagonist.

19 So basically the bottom line is they  
20 occupy the same receptors and in occupying the same  
21 receptors, the way people who have suffered through  
22 addiction - having described it to me personally -  
23 is that they say -- when they get into the  
24 treatment, after a few days or weeks, we feel like

1 the monster is off their head.

2 "Now when I go to my family, I can  
3 actually have a conversation and remember it with  
4 my family. I can start to feel feelings. I feel  
5 I've come back from death. I can watch television,  
6 I can remember and I can understand what's  
7 happening."

8 So that piece -- it allows these  
9 medications allow you not to worry about just  
10 seeking your next fix; it allows you to actually  
11 get a job, have a purpose in life, rebuild your  
12 community, rebuild your family and actually be able  
13 to function.

14 Q. All right. So turning back to the  
15 evolution of this opioid problem in West Virginia,  
16 did you at some point see an evolution, a change,  
17 from opioids to heroin?

18 A. As I came in as the Commissioner in 2015, I  
19 think that evolution was occurring. I think we  
20 were starting to see some of the laws that had been  
21 taking place in 2012-2013 -- certainly Governor  
22 Tomblin had initiated the Governor's Advisory  
23 Committee on Substance Abuse and some of the  
24 results were happening.

1                   So we had a sliver of hope at the time  
2           that, "Listen, I think we're starting to see a  
3           light at the end of the tunnel" in the sense that,  
4           look, we're seeing slight reductions, and that's in  
5           the presentation you saw where I showed from 2015  
6           to 2016, we went down 15 percent.

7                   So we were becoming very hopeful that  
8           now perhaps the deaths will follow, meaning  
9           reduction in deaths and suffering and other things.

10           Q.     I'm sorry, you said reduction -- reduction  
11           in --

12           A.     Reduction in deaths.

13           Q.     I'm sorry, you said you saw a slight  
14           reduction --

15           A.     Reduction in prescriptions. So we started  
16           to see from 2015 to 2016, about a 15 to 20 percent  
17           reduction in opioid prescriptions.

18           Q.     Okay.

19           A.     And then we were hopeful that we would  
20           start to see a reduction in deaths. But we didn't.  
21           And then we started to search that why that we're  
22           seeing reduction in prescribing but we're not  
23           seeing reduction in the deaths from overdose; we're  
24           not seeing significant reduction in the substances

1 of overdose people when they died.

2 And one of the elements that was  
3 happening at the time that, again, now it's easier  
4 -- a little bit more easier to recognize, is that  
5 every time law enforcement would go and do a drug  
6 bust of the bad docs, those people would end up on  
7 the street that once were addicted to medication --  
8 prescription medications, now would have to find --  
9 seek and find an alternative, and they would go to  
10 the street.

11 And then they started to use IV drugs,  
12 heroin. That was not the only reason it was  
13 happening. It was also because the supply of  
14 prescription drugs from a diversion standpoint was  
15 drying up a little bit.

16 So as the diverted drugs - opioid  
17 prescription drugs - were drying up, then people  
18 still needed that fix, as I explained the addiction  
19 pathway. That doesn't solve the problem. We were  
20 too naive to think just reducing the prescription  
21 -- diversions would just cure the problem.

22 And what actually happened is the  
23 opioid crisis began to evolve -- evolve into a  
24 second crisis, which would then started to become

1 this heroin crisis. As we were dealing with that  
2 current crisis within the first, a third crisis,  
3 which is --

4           You know, everyone asking -- you know,  
5 wanting to make most profit from its product, and  
6 we saw the -- this happen, the phenomenon happen,  
7 with -- where people were dealing heroin, frankly.  
8 So they found -- they realized that they could get  
9 a bigger profit if they were -- if they could cut  
10 their heroin with another substance that could  
11 still give the high or give the need that needs to  
12 be fed to the people.

13           That was called fentanyl. It was a  
14 clandestine lab-produced fentanyl that's about 50  
15 to 100 times more potent than morphine. So they  
16 would -- they began to cut the heroin with this  
17 substance on the street.

18           The problem that became for people who  
19 are addicted is: A, they wouldn't know that; the  
20 second, B, every time they inject themselves, not  
21 only are they risking HIV or hepatitis or what have  
22 you, but they're also basically playing Russian  
23 roulette with their life, because they wouldn't  
24 know if this is the time they were going to die/

1 overdose.

2 This stuff was so potent that some of  
3 our law enforcement officials, sometimes they  
4 happened to inhale or touch it and they would be  
5 overdosed.

6 So I saw a lot of people who had  
7 addiction, they didn't want to die. Neither did  
8 the drug dealers want them to die. So what they  
9 started to do, as a cry out for help, they would  
10 actually go to restaurants, they would go to gas  
11 stations, they would go to malls in the bathrooms  
12 and inject themselves just so they could be found  
13 if they played the Russian roulette and the gun got  
14 fired.

15 So we started to find dead bodies in  
16 those places as a result of that. So that's the  
17 evolution. That's when I came into the office and  
18 I was seeing on literally on a daily basis.

19 Q. So do you have an opinion based upon  
20 everything you've done in your work in West  
21 Virginia and your background, training and  
22 experience as to whether or not the abuse of  
23 heroin, fentanyl, methamphetamines and these  
24 cocktail drugs that you saw in the 2014 to 2018

1 time frame was a -- was caused by the original  
2 opioid volume that you saw that resulted in these  
3 addicted people.

4 A. So for a majority of them. There would  
5 always be a small portion of people who will have  
6 and seek, you know, various forms of addictive  
7 substances. That's been true for civilizations  
8 over time.

9 But for the majority of them, there's  
10 no doubt in my mind that there's a direct  
11 correlation between the diverted prescription pills  
12 and its evolution into street drugs in terms of  
13 heroin, fentanyl, meth, you name it.

14 Q. And when you say "a majority," are you able  
15 to quantify that any further in terms of if you  
16 take 100 percent as total, were you able to  
17 quantify it any more specific than that?

18 A. When I say "majority," I'm really talking  
19 about 80 to 90 percent of the population that  
20 actually suffered through this. Because if you go  
21 back and look at the overdose death rate numbers,  
22 prior to this epidemic, it would be like that,  
23 Counsel, to get that -- that's where I would go  
24 back.

1           A small amount of people -- certainly  
2     those, the noninvolved people - that would be a  
3     general baseline - do not tend to be generally also  
4     the population that dies. They tend to be people  
5     that would use one form of drug or the others - a  
6     tiny population, proportion - that has existed, as  
7     I said, through civilization, hundreds of years,  
8     thousands of years.

9           But that is minuscule as compared to  
10    what we're dealing with today.

11       Q.    And in terms of overdose deaths, you do  
12    have knowledge from your work as to the number of  
13    overdose deaths -- overdose deaths in West Virginia  
14    from, let's say, 2004 until 2018 when you left. Is  
15    that true?

16       A.    Yes. I mean, I'm trying to recall the -- I  
17    mean, I can recall that in 2017, we finally passed  
18    the 1,000 number, which was not only the -- one of  
19    the highest rates ever, but it was consistently  
20    about 33 percent higher than the second state --  
21    and the second state varied. Sometimes it was New  
22    Hampshire, sometimes it was Ohio, sometimes it was  
23    Pennsylvania.

24           But we could -- what didn't change was:



1 We were high and there's a bunch of lots of states,  
2 and then it was the next state in line.

3 Q. And do you have an opinion as to whether  
4 the increase in overdose deaths West Virginia saw  
5 during that time was caused by the large volume of  
6 opioid pills that originally was deposited or  
7 delivered to West Virginia?

8 A. I think there's no doubt for that.

9 Q. Now, are NAS babies a causative issue in  
10 terms of the opioid epidemic?

11 A. Yes.

12 Q. So what is an NAS baby?

13 A. So NAS stands for neonatal abstinence  
14 syndrome, also sometimes called Nows, or neonatal  
15 opioid withdrawal syndrome. We try to  
16 differentiate between opioids and other substances.

17 But in essence, it's a -- it's a  
18 syndrome, it's a set of symptoms that could happen  
19 in a baby as soon as they're born to a few hours or  
20 days afterwards.

21 Those symptoms could include incessant  
22 crying, not being able to be fed, being over  
23 irritable. They can have seizures. They can have  
24 diarrhea.

1           And unfortunately, in the early part  
2       especially of the crisis, they could die. It is --  
3       we saw that it was directly linked, and here's why:  
4       As we saw the total amount of diverted drugs  
5       increase, we also saw a similar increase in the  
6       number of pregnant women that were taking these  
7       diverted drugs.

8           The pregnant women are still part of  
9       the same community, part of the same population.  
10      They're no different. So it would be an  
11      extraordinary thing to think that they would behave  
12      differently.

13          As they were also taking -- at one  
14      point, one in four pregnant women were taking some  
15      of these diverted medications. As they do, they  
16      become addicted, and as they develop the addiction,  
17      and continue to feed their addiction, so is the  
18      baby getting the same medications through the  
19      placenta while the baby is in the womb.

20          So the baby's brain, now imagine, is  
21      also being fed through the same mechanism. This  
22      developing new life inside the womb is also getting  
23      the same line of feeding of opioids through the  
24      bloodstream of the mother.

1           So its brain is also -- not only not as  
2    -- it's not -- it's supposed to be developing right  
3    when it's not only -- we don't know a lot about how  
4    it develops in the presence of opioids, but it's  
5    developing the same time as being confounded by  
6    these opioids.

7           So as the cord gets cut, meaning the  
8    placenta gets cut and the baby gets delivered, that  
9    baby goes into withdrawals. It's literally the  
10   equivalent of a withdrawal. We know that because  
11   we treat the withdrawals by various mechanisms, but  
12   one of the mechanisms -- the pharmaceutical  
13   mechanism to treat it, is through morphine. Giving  
14   the baby morphine.

15           I mean, it's one of the last resorts,  
16   but that's one of the ways we do it. So what we  
17   don't know about neonatal abstinence syndrome yet -  
18   because there's a lot of work going on - is: These  
19   are the immediate side effects.

20           We have also seen some associations  
21   with birth defects, like heart defects, gastric  
22   defects. We also have had some literature that  
23   shows there's defects in hearing, vision, other  
24   aspects.

1                   Now, when I was speaking to schools,  
2                   officials, teachers, parents, oftentimes they would  
3                   tell me that in 2015, some of those babies that  
4                   were born in 2006, '07 would be then eight, nine,  
5                   ten years old and they're getting to a point and  
6                   they're --

7                   What is happening to the babies now is:  
8                   These teachers would tell me that "We have these  
9                   kids," it's called -- you know, opioid babies, they  
10                  are now being -- "they are not able to control  
11                  their impulse. They're not able to keep attention.  
12                  So they're having some version of attention deficit  
13                  disorder; they're having impulse control issues."

14                  So because that's a problem and  
15                  teachers' job is to teach, they were referring to  
16                  the parents -- if there were parents. Because in  
17                  often cases, these kids got moved around three,  
18                  four, five times a year in the school system.

19                  And they were often within foster care  
20                  or the care of grandparents or great-grandparents  
21                  at times. But then they ultimately end up in the  
22                  doctor's office, at a pediatrician, and the  
23                  pediatrician would diagnose them oftentimes -  
24                  erroneously or let's just say through symptoms -

1 with ADD, and guess what happens then?

2 These kids get prescribed another  
3 addictive potential drug called Adderall.

4 So then we basically -- we already know  
5 that kids who are born with NAS have a high  
6 predilection to get -- to become addicted in the  
7 future. And now through the system, we're actually  
8 providing them the same drugs that they actually  
9 have a further habit with.

10 So we're actually setting up these kids  
11 to fail in life, and this is a huge problem in West  
12 Virginia. We're talking about 5 percent of the  
13 entire population. It's a huge number. And then a  
14 higher percentage perhaps in Cabell County and  
15 Huntington.

16 So all these kids -- we don't even know  
17 what the long-term consequences will be. Will they  
18 be able to adjust in society? Will they be able to  
19 have sustained social interaction and enjoy life  
20 the same way as others? We don't know that.

21 But we do know that there are some  
22 short and long-term consequences of NAS.

23 Q. Has anybody tried to -- you or anybody you  
24 know tried to quantify the cost of the effects of

1 NAS babies on a single NAS baby?

2 A. So we were working very hard -- one of the  
3 reasons that I am at March of Dimes today is  
4 because of my work that I focused a lot of work on  
5 this issue, and not only did we expand the  
6 drug-free moms and babies program, but one of the  
7 things we did was we tried -- again, downstream  
8 work, incremental impact, but that's all we could  
9 do at the time.

10 But one of the things that happened  
11 was: We figure, how can we prevent this? And one  
12 of the ways to prevent this is to offer in a  
13 nonthreatening way women who have addiction, the  
14 ability to have family planning.

15 And there is a women's prison, there  
16 are jails, and these women are -- you know, are  
17 cycling through and we offer it to men and women,  
18 by the way, family planning. It's not  
19 gender-biased.

20 So we wanted to have funding beyond  
21 Federal funding, because Federal funding for IUDs  
22 and other things does not go for the prisons. So  
23 we wanted to make a case -- lay out a case to a  
24 Republican legislature in West Virginia why it

1 makes sense for us to think about family planning.

2 It's a tough issue. It's a tough  
3 issue. So what we did was: We did an analysis and  
4 we provided a white paper to the Senate Finance  
5 Chairman at the time, Craig Blair, which basically  
6 laid out -- and we accounted for all the costs, the  
7 ICU costs.

8 We laid out the costs of child welfare  
9 costs, the development costs. But do we know what  
10 will happen long-term?

11 And that cost we calculated was a  
12 little over a million dollars per baby.

13 Q. Per NAS baby?

14 A. Per NAS baby. And for 5 percent -- we have  
15 about 20,000 births in West Virginia approximately,  
16 and 5 percent of that is about 1,000 babies, and  
17 that would be about a billion dollars if we  
18 multiply the math, a billion dollars per year, year  
19 after year, that were incurring this future cost to  
20 the state of West Virginia.

21 And when we went into that, I can tell  
22 you, the only thing -- this is a very conservative  
23 Senator from a very conservative part of West  
24 Virginia, and his response was, "Here's the money.

1     What can I do more for you to make sure that we  
2     allow these women who have addiction to enter  
3     treatment programs so when they do get pregnant,  
4     they have a shot at life and their kids have a shot  
5     at life."

6                     And this came -- and we were, you know,  
7     pleasantly surprised. He came back to us year  
8     after year to give us more money to appropriate  
9     because it was a just cause. So these are the type  
10    of downstream impact things we were doing.

11            Q.     All right. Now -- so you worked in West  
12    Virginia from '09 to '18 and you've talked about  
13    different efforts that were made, you've talked  
14    about this problem in depth. And I want you to  
15    think back and I want you to see if you can answer  
16    this question for me.

17                    Do you believe in your heart of hearts  
18    that you and everybody in West Virginia that you  
19    were associated with - whether it's DHHR, PEIA,  
20    other departments, legislature - did what you could  
21    do with the resources you had to fight this problem  
22    that, as you stated, you didn't create?

23            A.     Yes, I can tell you my entire time in West  
24    Virginia, you know, some of the best people on



1 earth that you will find, warm people wanting to  
2 chip in and help give you, you know, a shirt from  
3 their back, if they can. If they're wearing a  
4 shirt --

5 And they was -- everybody was in as a  
6 team, had the best intentions with limited  
7 resources, and we were struggling every day to help  
8 do everything within the power of our state as well  
9 as individuals, their capacity, to find those  
10 solutions.

11 So we did everything possible. We left  
12 no corner unturned in order to find solutions. But  
13 once again, this seemed to have fallen short in our  
14 expectations each time, because it's very difficult  
15 - and very inefficient, to be honest - to provide  
16 and spend that amount of money when this can be and  
17 could have been prevented upstream.

18 Q. Okay. Now, you talk about -- a little bit  
19 about this transition from opioids to heroin, and  
20 what I'd like to do is ask you some more questions  
21 about that. In terms of heroin in connection with  
22 the opioids, is there some chemical somewhere --  
23 why would people take heroin as opposed to opioids?

24 A. Well, basically heroin -- when you take

1 street heroin, it breaks down into two compounds  
2 and both are active, and one of those is morphine.  
3 So heroin is basically nothing but a form of  
4 morphine. It is the same chemical release.  
5 They're all related. They work through the same  
6 receptors, and the body cannot tell one from the  
7 other.

8 And so chemically speaking, you know,  
9 you could have synthetic opioids; you could have  
10 semi-synthetic; you could have natural opioids.  
11 But to the body that needs to feed the need, it's  
12 the same compound.

13 And so chemically speaking, what you  
14 write in the prescription pills, again it's the  
15 same feed -- the feeding mechanism is the brain.  
16 It does not discriminate.

17 Q. Right. So it's your opinion that heroin --  
18 if someone went to heroin, that would satisfy the  
19 need created by an opioid addiction?

20 A. Absolutely.

21 Q. All right. In terms of the number of  
22 opioid addicts that transitioned to heroin, is  
23 there any way for us to quantify in terms of the  
24 total number of people that would be moving to

1     heroin -- how many of those people started out as  
2     opioid-addicted people?

3           A.     I think what we have to do is -- I'll go  
4     through the math a little bit here. We know that  
5     for every person who overdoses -- we're going to do  
6     the math in reverse.

7                     So every person who dies in overdose,  
8     there's about 25 to 30 people that have what we  
9     call nonfatal overdose. Because we saw that in our  
10    social autopsy, that people -- overdose is a cry  
11    for help. And we have 25 to 30 people.

12                    For every fatal overdose, there's about  
13    250 to 300 people that actually are suffering from  
14    addiction, basically. So if you look at the  
15    numbers in West Virginia - there's 1,000 people  
16    that have died of overdose, and obviously there's  
17    anywhere from 250,000 to 300,000 people that are  
18    suffering from addiction - and that addiction could  
19    be -- the more you turn the pump off, the tap off,  
20    from the diverted prescription pills, they're gonna  
21    go to the street drugs available in terms of  
22    heroin.

23                    So it's a free-flow basically. I don't  
24    see a difference between if it's the diverted

1 prescription opioids or it's the heroin, except  
2 that they are able to die very quickly -- with the  
3 contaminated heroin, the cut heroin. So that's the  
4 only way.

5 Q. Is there a way to look at national  
6 statistics that might help us glean more  
7 information about that transition in terms of  
8 heroin or opioids?

9 A. Yeah, I think the -- what we have learned  
10 over time is the more -- you know, you go -- again  
11 -- this is not -- not meant to defend bad docs, but  
12 it's meant to say we need to have better systems  
13 downstream in order to manage the people who are  
14 addicted when we do drug busts.

15 But, you know, the more we become  
16 aggressive in drying up, the more people downstream  
17 are going to convert into heroin and fentanyl  
18 addiction, basically.

19 Q. All right. I'm going to transition a  
20 little bit here to a different topic. Can we take  
21 a two-minute break?

22 MR. RUBY: Hey, Mark, where are you on  
23 time overall?

24 MR. COLANTONIO: Another -- I can be

1 done in 40 minutes? Is that okay?

2 MR. RUBY: 40?

3 MR. COLANTONIO: Yeah. 30?

4 MR. RUBY: If you guys -- if you guys  
5 were taking your own evidentiary depo of Doctor  
6 Gupta, I wish you'd noticed it.

7 MR. COLANTONIO: Okay, well -- let's  
8 take a --

9 MR. ZIMMERMAN: To answer your  
10 question, Steve, 40 minutes. Approximately 30-40,  
11 try to get it done.

12 MR. COLANTONIO: What time is it?

13 MR. GOOLD: It is --

14 MR. ZIMMERMAN: 1:48.

15 MS. JINDAL: 1:48.

16 MR. COLANTONIO: All right. Let's  
17 take a two-minute break and then we can talk about  
18 it. Is that okay?

19 MR. RUBY: That's fine.

20 MR. COLANTONIO: All right, thanks.

21 VIDEO OPERATOR: Going off the record.  
22 The time is 1:48 p.m.

23 (A recess was taken after which the  
24 proceedings continued as follows:)

1 VIDEO OPERATOR: This begins Media  
2 Unit 5 in the deposition of Rahul Gupta, M.D. We  
3 are back on the record. The time is  
4 2:00 o'clock p.m.

5 MR. GOOLD: Let me just -- this is Jim  
6 Goold for McKesson. Let me just briefly reserve an  
7 objection on the record for opinion testimony from  
8 the witness while we check about the previous  
9 designations of the witness which we will do off  
10 the record at a later point.

11 MR. COLANTONIO: Ready?

12 VIDEO OPERATOR: Yes, please begin.

13 BY MR. COLANTONIO:

14 Q. All right. So Doctor, have all of the  
15 opinions that you've rendered here in response to  
16 my questions here today been rendered by you to a  
17 reasonable degree of certainty, whether it's public  
18 health certainty, medical certainty or certainty  
19 within your field?

20 A. Yes.

21 MR. COLANTONIO: I have no further  
22 questions.

23 EXAMINATION

24 BY MS. KEARSE:

1 Q. Doctor Gupta, this is Anne Kearse with the  
2 City of Huntington and Cabell County as well. I  
3 only want to follow up with a couple of things that  
4 I believe you testified about today and just make  
5 sure I've got the documents or the reports that you  
6 issued correct.

7 MS. KEARSE: Monique, can you pull up  
8 the first -- August 17, 2017 document? And I'll  
9 mark this as, I guess, Plaintiff's No. 1 for the  
10 purposes of this deposition.

11 PLAINTIFF'S EXHIBIT NO. 1

12 ("West Virginia Drug Overdose Deaths  
13 Historical Overview dated August 17,  
14 2017 was marked for identification  
15 purposes as Plaintiff's Exhibit No.  
16 1.)

17 Q. Doctor Gupta, you testified today about an  
18 historical overview since 2001 to 2015 of drug  
19 overdose deaths. Is that correct?

20 A. It's, I believe, 2000 to -- yeah, yeah,  
21 that's -- thank you for that. Yes.

22 Q. Okay. And that's -- and that's what -- I  
23 just wanted to make sure for the record that  
24 this --

1 MS. KEARSE: Monique, wait a second,  
2 please.

3 Q. -- that this document, cover page "West  
4 Virginia Drug Overdoes Deaths Historical Overview  
5 2001-2015" is a report that you were referring to  
6 today. Is that correct?

7 A. That's correct.

8 MS. KEARSE: And Monique, if you'll go  
9 to the second page, just for the record.

10 Q. This is a report that obviously your name  
11 is on there, Doctor Gupta, as the Commissioner for  
12 the Bureau of Public Health, the State Health  
13 Officer. Is that correct?

14 A. That's correct.

15 Q. And you were involved not only in working  
16 on the analysis and reported here of this, but you  
17 were doing this in the capacity of your role as  
18 Commissioner of the Bureau for Public Health. Is  
19 that correct?

20 A. Yes, I ordered the commission of this  
21 report.

22 PLAINTIFF'S EXHIBIT NO. 2

23 ("2016 West Virginia Overdose Fatality  
24 Analysis" was marked for



1 identification purposes as Plaintiff's  
2 Exhibit No. 2.)

3 Q. And then Doctor Gupta, I believe also  
4 Plaintiff's No. 2, in your capacity as the  
5 Commissioner for the Bureau of Public Health, state  
6 of West Virginia, I believe you also testified  
7 about a 2016 overdose fatality analysis?

8 A. Yes, and I have submitted that, I believe,  
9 as part of the documents that I was requested to  
10 provide.

11 Q. Okay.

12 MS. KEARSE: And just for the record,  
13 Plaintiff's Exhibit No. 2, is this the report and  
14 analysis that you were referring to in your  
15 testimony earlier today titled "2016 West Virginia  
16 Overdose Fatality Analysis"?

17 A. Yes.

18 MS. KEARSE: And Monique, if you'll go  
19 to page No. 2 on that.

20 Q. And that's also -- you appear on that as  
21 the Commissioner for the Bureau of Public Health;  
22 is that correct?

23 A. Yes.

24 Q. And in your -- both of these reports, these

1 were reports either done at your direction and your  
2 involvement and you're thoroughly familiar with the  
3 -- with the conclusions and opinions issued in  
4 those reports; is that correct?

5 A. Yes.

6 Q. And in addition to your testimony today,  
7 you would be prepared to testify - if you do come  
8 to trial - in regards to the analysis and results  
9 contained in those reports. Is that correct?

10 A. Yes.

11 MS. KEARSE: Thank you, Doctor Gupta.

12 THE DEPONENT: Thank you.

13 MR. COLANTONIO: Hey, Steve?

14 MR. RUBY: Sorry, I was muted. Yeah,  
15 Mark.

16 MR. COLANTONIO: So I just want --  
17 think about this, the questions earlier about our  
18 roles here and make sure we're clear about that.

19 So just to be clear, we have appeared  
20 in this case in specific instances in deposition,  
21 so our role in this case as counsel has been - at  
22 this point, at least - limited to depositions, and  
23 today we are appearing as counsel to Doctor Gupta  
24 and -- his personal counsel.

1                   So that's our role today, as his  
2                   personal counsel. And we have appeared in other  
3                   depositions for purposes of those depositions so  
4                   far. That's been our role.

5                   MR. RUBY: Okay. And I don't want to  
6                   -- I have to -- we may have to think through all  
7                   the implications of it and we would certainly  
8                   preserve any -- any objection that might relate to  
9                   it.

10                  But Mark, just so I'm clear on your  
11                  position, does that amend your --

12                  MR. COLANTONIO: Yes.

13                  MR. RUBY: -- statement at the outset  
14                  of the questioning that you were questioning him on  
15                  behalf of the County --

16                  MR. COLANTONIO: Yes. We're  
17                  representing him today. That's our role.

18                  MR. RUBY: Okay, so the questioning --  
19                  and, again, I have to think through what the  
20                  significance is, if any. But the evidence today  
21                  that you've conducted of Doctor Gupta, your behalf  
22                  is that it's now not on behalf of the County or the  
23                  City; is that right?

24                  MR. GOOLD: It is what it is.

1 MR.COLANTONIO: Yea, we're  
2 representing him personally.

3 MS. KEARSE: But Steve, to the extent  
4 then that any of the testimony that Doctor Gupta  
5 has given is the testimony on -- that applies also  
6 to the City of Huntington and Cabell County, Paul  
7 Farrell and Anne Kearse are both here in that  
8 capacity, as well as Mark Colantonio --

9 COURT REPORTER: Anne, I'm having a  
10 terrible time hearing -- Anne, I can hardly hear  
11 you at all. I don't know if the record is picking  
12 you up but if you have a better way to get to a  
13 phone or closer or something.

14 MS. KEARSE: Okay. All I was saying  
15 to Mr. Ruby's comments that Dr. Gupta's testimony  
16 today's is also applicable to the City of  
17 Huntington and Cabell County, which is what this  
18 case is being taken for.

19 MR. RUBY: It's a depo in 1332, in the  
20 Cabell and Huntington case. And like I said, Anne,  
21 I would have to think of what the significance of  
22 it is. I just wanted to make sure I understood  
23 Mark's position clearly on the record.

24 MS. KEARSE: Okay. It's Friday. You

1 hear that? Thank you, Doctor Gupta.

2 MS. JINDAL: Okay, Anne, are you done?

3 MS. KEARSE: Yes, I'm done. So you  
4 can keep going.

5 EXAMINATION

6 BY MS. JINDAL:

7 Q. Okay great. Doctor Gupta, I'm just -- this  
8 is Jyoti Jindal just for the record on behalf of  
9 Cardinal Health. I'm just going to ask you a quick  
10 follow-up question to Ms. Kearse's questioning.

11 Are there any other documents that you  
12 relied on in forming your opinions that you can  
13 name right now?

14 A. I don't remember if I submitted this to  
15 you, but there was an order in my role as the  
16 secretary of the Board of Medicine that had to do  
17 with 2017 guidance to the physicians, orders on  
18 prescribing or somewhat related to that, like the  
19 practicing standards for opioids.

20 And that was 2017. Because we  
21 attempted to make sure that the 2016 CDC  
22 recommendations were actually being followed in the  
23 state of West Virginia.

24 So that may be another document. I'm

1 not sure right now that that was one of the ones  
2 that was submitted or even I thought about it.

3 I don't have possession of it, but it  
4 would be available somewhere online somewhere.

5 Q. And that was an order issued by the Board  
6 of Medicine which you signed as secretary for the  
7 Board of Medicine?

8 A. Yes.

9 Q. And if you recall any other documents upon  
10 which you relied or research upon which you relied  
11 in the course of forming your opinions, I would  
12 appreciate it if you could name those for me on the  
13 record so we can follow up after this.

14 A. Of course I will.

15 Q. Thank you. All right. I am going to go  
16 back a bit. You talked a little bit about the DEA  
17 quota. What is that?

18 A. It is my understanding that the DEA quota,  
19 is the amount up to which manufacturer is able to  
20 produce their particular drugs related to  
21 controlled substances.

22 Q. So it's the amount of controlled substances  
23 that a manufacturer can make. Is that right?

24 A. It's the -- it's the amount of what -- it's

1 the amount -- it's the limit basically -- to up to  
2 which it can be.

3 Q. I see. And how is that limitation or quota  
4 determined?

5 A. That quota really goes back to really the  
6 sales data. So it's the amount of sales in the  
7 previous year has been a -- sort of a guiding  
8 principle, one of the guiding principles, for DEA  
9 to determine what the quota for next year would be  
10 for manufacturers and distributors.

11 Q. And what are other guiding principles?

12 A. That's the extent to which I understand.  
13 I'm sure there are other frame works, but that's my  
14 role in understanding this piece.

15 Q. And DEA is the Drug Enforcement  
16 Administration?

17 A. Correct.

18 Q. And that's a federal agency?

19 A. Correct.

20 Q. And aside from the DEA, who else is  
21 involved in setting the quotas?

22 A. To my knowledge, in addition to what I've  
23 mentioned, I'm not aware of other actors.

24 Q. Thank you. Do you know what the quota was

1 that was set by the DEA for controlled substances  
2 in 1980?

3 A. I could not tell you that. I do not know.

4 Q. Do you know it for prescription opioids in  
5 particular in 1980?

6 A. No.

7 Q. What about just, let's say, oxycodone in  
8 1980?

9 A. No.

10 Q. Okay. Do you know what the DEA's quota was  
11 for oxycodone in 1990?

12 A. No.

13 Q. What about 2000?

14 A. No.

15 Q. 2010?

16 A. No.

17 Q. 2020?

18 UNIDENTIFIED MALE: Say that again?  
19 Hello, can you hear me --

20 MS. JINDAL: Can you hear me?

21 Someone needs to mute themselves, I  
22 think.

23 Q. Doctor Gupta, you talked about 1990, the  
24 amount of prescriptions for -- that were sold --



1 that were written in 1994, prescription opioids, as  
2 providing a baseline for the need for prescription  
3 opiates. Is that a fair summary of what you  
4 testified to?

5 A. Your voice was a little muffled. Could you  
6 please repeat the question?

7 Q. Sure. Let me see if -- does this help?

8 A. Yes.

9 Q. Okay. You talked about a baseline for  
10 determining legitimate need for prescription  
11 opioids, and you set that baseline as 1990, the  
12 number of prescriptions in 1990. Is that correct?

13 A. I said 1990s, with an "s," so if you could  
14 take a particular year prior to 2000.

15 Q. So --

16 A. Or the average of multiple years.

17 Q. Okay. So your baseline for determining the  
18 legitimate need for prescription opioids is rooted  
19 to the 19 -- the entire decade of 1990 -- to 1999.

20 A. Well, no. What I am saying is that you can  
21 determine a -- determine the baseline need of a  
22 community or a state for the need for opioids based  
23 on a variety of -- you could either do a particular  
24 year in the 1990s or you can take statistically an

1 average of a few years and then look at that.

2 But that would be the closest prior to  
3 2000 when the standards changed.

4 Q. And do you know what the number of  
5 prescriptions that were written for prescription  
6 opioids in 1990 were?

7 MR. COLANTONIO: I'm sorry, you said  
8 "1990?"

9 MS. JINDAL: Yes, 9-0.

10 MR. COLANTONIO: 1990. Okay.

11 A. I would not know off the top of my head  
12 right now.

13 Q. Okay. In the course of determining that --  
14 the decade immediately prior to the change in the  
15 standard of care was the -- should be the baseline  
16 or assumption, why did you come to that conclusion?

17 A. Because if you take the decade prior to  
18 that, that would be too far off of the population  
19 demographic changes that would happen.

20 If you take the decade after that, that  
21 would make no sense, because the distribution of  
22 prescriptions, the diversion and the amount of  
23 pills that flowed, we have enough of evidence that  
24 we can all agree upon that that would not be

1 applicable.

2 So the only reasonable conclusion would  
3 be that you would look at the time prior. This is  
4 not something I would -- this is a very routine way  
5 to do biostatistics, and you know, you know, in the  
6 epidemiological world, this is not abnormal at all.

7 And then I say a number of years to  
8 average, because sometimes there tends to be to  
9 these trends and others that could provide you a  
10 wrong number. So that's why I would favor  
11 potentially looking at an average year. If the  
12 numbers were flat for all ten years for the 1990s,  
13 then you could take a particular year.

14 If the numbers went up and down, then  
15 you could take an average of few years. So the  
16 idea is to get to a baseline within a reasonable  
17 degree of certainty that you can make predictions  
18 moving forward for.

19 Q. And in making that baseline assumption, do  
20 you -- you mentioned the changes in population.  
21 Right?

22 For example, the migration and  
23 immigration into and out of the state of Virginia.  
24 Is that one of the things that you would have to

1 control for, to make sure your baseline assumption  
2 is accurate with, as you said, a reasonable degree  
3 of certainty?

4 MR. COLANTONIO: I'm sorry, I think  
5 you said "Virginia."

6 MS. JINDAL: West Virginia.

7 Q. Sorry. I'm from Virginia, so sometimes  
8 I slip up --

9 MR. COLANTONIO: We were one state at  
10 one sometime.

11 A. There could be a lot of factors. One of  
12 those -- so you have to account for all of the --  
13 the both directions to being accurate. So you have  
14 to account for all of the variables potentially.  
15 One of those variables would be the demographics.

16 The other variables would be the  
17 movement in/out, in population loss. Another  
18 variable would be the need for legitimate  
19 prescription. That would be, for example, okay, in  
20 an average -- what was the '90s average for mining  
21 jobs, for example, or timber jobs as a industry,  
22 for example, and then you look at.

23 So for example, if the mining jobs were  
24 35,000 in, you know, 1996 - making this up - and

1 they end up becoming 35,000 to 20,000 in 2006, you  
2 have to account for that because those -- those are  
3 the conditions - the ruggedness, the arthritic  
4 condition and others - that actually can explain  
5 and justify some of the opioid prescriptions used  
6 even in the '90s.

7 So what I'm saying is that a curve of  
8 the '90s, the numbers, you could use that as a  
9 baseline, but you may have to say, then moving  
10 forward, we'll have to adjust that curve down or up  
11 based on consideration of all these factors,  
12 including cancer and some of the end-of-life  
13 issues.

14 Q. And in the change in the standard of care,  
15 is it also possible that doctors are now meeting a  
16 need that was previously unrecognized in terms of  
17 treating pain?

18 A. I am sorry, could you repeat -- I think I  
19 understand. I'm not sure I understand 100 percent.

20 Q. Sure. Before the standard of care changed,  
21 as you said, in 2000, the focus on treating pain  
22 was - I believe you said - limited to end-of-life  
23 care, acute post-operative pain and injury-based  
24 pain. Is that correct?

1           A.    No, there was multiple other recommendation  
2   for use of opioids and other medications for pain.  
3   It was not exclusively those areas.

4                   When the standard of pain of care --  
5   standard of care for pain changed, what we're  
6   talking about is that we almost began to prioritize  
7   the use of opioids over other alternatives, in  
8   addition to expand the vocabulary or the areas in  
9   which opioids could be used.

10          Q.    Right. And so in terms of expanding or --  
11   focusing on that last bit, expanding the areas in  
12   which prescription opioids could be used, how did  
13   that translate to the medical conditions for which  
14   prescription opioids could be used now versus  
15   before the standard of care changed?

16          A.    So if you look at various conditions, for  
17   example, in West Virginia over time, we have  
18   reduction in some of the cancer cases. We have  
19   certainly a reduction over time in mining injuries.  
20   We have slight increases in arthritis.

21                   We have slight increases in disability  
22   or fair poor condition. A lot of that is related  
23   to obesity, and diabetes, high blood pressure.

24                   So it's not going to be a clear bag one

1 way or the other. It will be a mixed bag. We will  
2 have to do that analysis, what I'm saying. But I  
3 would not suggest that for some reasons that the  
4 doctors for the last 100 plus years were not doing  
5 their job by undertreating pain. I think that  
6 would be a false conclusion to arrive at.

7 Q. But it is possible that some doctors were  
8 undertreating pain before 2000. Is that poss -- is  
9 is that fair to say?

10 A. Anything is possible. But it is very  
11 difficult for me to agree that the state of West  
12 Virginia needed 780 million pills coming into West  
13 Virginia, a population of 1.8 million, to  
14 sufficiently and adequately treat the pain of West  
15 Virginians.

16 Q. I'm going to refocus you on my question,  
17 Doctor --

18 MS. JINDAL: And move to strike that  
19 answer as nonresponsive.

20 Q. -- is it possible that doctors, before 2000  
21 - some of them, at least - were undertreating pain  
22 in West Virginia?

23 MR. COLANTONIO: Objection. Asked and  
24 answered.

1 A. I do not have evidence to suggest that.

2 Q. And you said this is an analysis that needs  
3 to be done. So it's not something you have done.

4 A. I have not --

5 MR. COLANTONIO: Object to the form of  
6 the question.

7 But go ahead, Doctor, if you understand  
8 it.

9 A. No, I did not conduct that specific  
10 analysis as I have elicited here today.

11 Q. And just to be clear, what you're saying is  
12 that you have not done the analysis of determining  
13 -- of controlling for all these other factors we  
14 discussed - demographic, population size change,  
15 legitimate need for pain - to determine what should  
16 be the baseline assumption in determining the  
17 legitimate need for pain.

18 MR. COLANTONIO: Object to form.

19 A. I have provided you a very high level of  
20 certainty of my opinion without actually conducting  
21 that analysis during my tenure as the State Health  
22 Commissioner.

23 Q. And so how -- I guess my question is: How  
24 are you certain in your opinion when you haven't



1 conducted the analysis that you -- that needs to be  
2 conducted to come to that conclusion?

3 A. Through my work, my experience, my detailed  
4 analyses of each one of these individual factors,  
5 and following these trends in my job on a daily  
6 level. That's how I accumulated the knowledge and  
7 the expertise to be able to provide you an opinion  
8 with a high level of certainty.

9 Q. So I want to be clear. The first part of  
10 your answer seemed to point to anecdotal evidence  
11 that you've seen in your field work. Is that  
12 correct?

13 MR. COLANTONIO: Object to the form.  
14 Objection.

15 A. No, that is not correct.

16 Q. Okay. So when you said that -- you said  
17 that you have -- my question was: "How are you  
18 certain in your opinion about what is the accurate  
19 baseline assumption for determining" -- and I'm  
20 adding words here. I understand. I just want to  
21 be clear.

22 How are you certain in your opinion  
23 that 1990 is the best decade for determining a  
24 baseline assumption for the need for prescription

1     opioids when you haven't conducted the analysis  
2     that you say needs to be conducted to come to that  
3     conclusion?

4                 And you answered, "Through my work, my  
5     experience, my detailed analyses of each one of  
6     these individual factors and following these trends  
7     in my job on a daily level."

8                 And my question is: When you said  
9     "Through my work and my experience and my detailed  
10    analyses," what do you mean?

11                A.     What I mean is, it is a 20 -- 25-plus years  
12    of expertise and experience in the field with  
13    highest levels of degrees that I have and working  
14    within the population, that's where my opinion  
15    comes from.

16                And just as an example, you don't need  
17    to conduct a analysis of people on a plane, that  
18    you throw some of those people without a parachute  
19    and some with a parachute, just to figure out if  
20    you need a parachute to come down.

21                Some of this is very much a common  
22    sense analyses which I present to you.

23                Q.     What part of it is a common sense analyses?

24                A.     The fact that you look at the decade before

1 in order to figure out what was the baseline of  
2 prescriptions that would be legitimate and include  
3 the criteria of requirements of pain that I've  
4 elicited to you to look at how much of that in the  
5 next forward decade that you would need the opioid  
6 prescriptions for.

7 Q. Okay. So if I understand you correctly,  
8 your opinion was that 1990s would be the best  
9 decade, but you don't actually have a specific  
10 baseline in mind. You just think 1990s would be  
11 the best decade to study to determine a baseline.  
12 Is that correct?

13 MR. COLANTONIO: Object to the form.

14 A. No, I do have a specific timeline in mind,  
15 and that's the 1990s. There's a reason I didn't  
16 compare with 1890s or 1860. But the reason I say  
17 "1990s" is because of those specific reasons that  
18 conforms to my expertise, which is a very common  
19 thing in the medical sphere.

20 When you don't have abject data, you  
21 provide expert opinion. That is not an abnormal  
22 thing, and I am here providing you that my  
23 expertise with -- both being a former Commissioner  
24 of West Virginia as well as experience in this

1 field through training, education and experience.

2 Q. And I just -- maybe I'm -- I don't -- I  
3 just want to make sure we're not speaking past each  
4 other, Doctor. That's all. I understand that you  
5 said 1990s is the best decade to determine a  
6 baseline for legitimate need for prescription  
7 opioids. Is that correct?

8 A. Yes.

9 Q. Okay. Do you have a specific number in  
10 mind as to: This is the number that is my baseline  
11 for what -- these number of prescriptions represent  
12 the legitimate need for prescription opioids in  
13 2019 -- in 1990?

14 MR. COLANTONIO: Object to the form of  
15 the question.

16 Q. 100 prescriptions or 200 prescriptions?  
17 That's what I'm trying to get at.

18 A. I think I've already asserted that we would  
19 need to look at that data, so for me to sit here  
20 and guess that data would not be appropriate.

21 Q. Okay. And so all you've determined is the  
22 decade to review to determine the baseline for  
23 legitimate need.

24 MR. COLANTONIO: Object to the form.

1           A.     So I -- so I've mentioned the 1990s is the  
2     decade, and what -- where you can get a peek of the  
3     assessment, is start to look at some of my reports,  
4     that you -- and the -- the counsel -- the  
5     plaintiff's counsel have highlighted.

6                     If you care to review that report, you  
7     can see that I've done the analysis from the year  
8     2001 onwards, and the year 2001 can give you a hint  
9     as to what was happening in the late 1990s.

10                    And that's where I formed the opinion  
11    that 80 -- perhaps 80 to 90 percent of the volume  
12    in the 2000s and onwards was being diverted and was  
13    being used inappropriately, whether it was  
14    unnecessary prescriptions or diverted  
15    prescriptions.

16                    So I keep answering the question. The  
17    bottom is, you need to look at the report I've  
18    submitted.

19           Q.     Sure. And if you look at that report, will  
20    I find an analysis of the 1990s in there?

21           A.     How could you when the title says 2001 to  
22    2015?

23           Q.     Okay. Thank you.

24                    I want to talk about some of the

1 demographic changes that you mentioned that would  
2 need to be studied. Is one of them the age of the  
3 population?

4 A. Yes.

5 Q. And has West Virginia's average age of its  
6 population grown over the last two decades?

7 A. Yes.

8 Q. Has it grown since the 1990s?

9 A. Yes.

10 Q. And is -- does West Virginia in fact have  
11 one of the highest -- or I'm sorry, one of the  
12 oldest populations in the state -- in the country?

13 A. Yes.

14 Q. And is another factor the number of adverse  
15 childhood events that an individual is exposed to?  
16 Is that something you would need to analyze to  
17 determine -- strike that.

18 Doctor, we previously looked at Exhibit  
19 54. Could you go back to that exhibit?

20 MR. COLANTONIO: You want me to pull  
21 it up --

22 MS. JINDAL: Yes, please.

23 MR. COLANTONIO: Let me find it for  
24 you. I'm sorry, can you identify that for me?

1 Because my envelopes -- I didn't put it back in.

2 Is that the --

3 MS. JINDAL: That's the State of  
4 Health presentation that was dated October 26,  
5 2018.

6 MR. COLANTONIO: He's got it.

7 A. I have it.

8 Q. And could you please turn to Slide 6 of  
9 that presentation? It's Bates stamped 0925, I  
10 believe.

11 A. I'm here.

12 Q. And do these reflect some of the  
13 demographics that you would need to study to  
14 determine the legitimate -- the legitimate need for  
15 prescription opioids --

16 A. Yes.

17 Q. -- in a particular state?

18 A. Yes.

19 Q. Okay. And the first of these, the one we  
20 just discussed, is the median age. Is that right?

21 A. Yes.

22 Q. And does this identify that West Virginia  
23 has the fourth-highest in the nation based on the  
24 2016 U.S. Bureau of the Census America Community

1 Progress?

2 A. I think we just agreed to that.

3 Q. Great, okay. The next one is Medicaid,  
4 correct?

5 A. Yes.

6 Q. And does this reflect the fact that 30  
7 percent of West Virginia residents are served by  
8 Medicaid?

9 A. As of the date that's down there, yes.

10 Q. And that date is March 2017, right?

11 A. Yes.

12 Q. And further to determine legitimate pain,  
13 we'd also have to review the percent of the  
14 population that is disabled. Is that the third  
15 factor that's there?

16 MR. COLANTONIO: Just object to the  
17 form of the question.

18 A. Yeah, so --

19 Q. I apologize. I'll withdraw and ask again.  
20 I want to be sure that my question is clear. The  
21 third factor -- the third demographic factor that  
22 you've identified here is the percent of the  
23 population that is disabled. Is that right?

24 MR. COLANTONIO: On this page.



1           A.    On this page, not to determine the need for  
2    opioids.

3           Q.    But would you want to look at the rates of  
4    disability to determine the need for prescription  
5    opioids?

6           A.    Yes, but not necessarily the Medicaid  
7    population. I just want to be clear about that.

8           Q.    I see. So you would not consider the  
9    percentage of people who are on Medicaid in terms  
10   of considering whether or not there's a legitimate  
11   need for prescription opiates?

12          A.    Not necessarily.

13          Q.    I appreciate -- okay. When you say "not  
14   necessarily," could you explain?

15          A.    Yes. So it can be in some states the  
16   Medicaid population; in other states, it can be the  
17   percentage of the Medicaid population. Because  
18   Medicaid is insurance status and no way are we  
19   trying to say that people on Medicaid are more or  
20   less likely to use opioids.

21                   That's a political statement, and I  
22   would like to -- I don't think that bears any  
23   weightage or evidence behind it.

24          Q.    Okay. Thank you for that clarification.

1                   Going back to the third factor you've  
2                   identified here, disability, is that one that you  
3                   would measure to determine the legitimate need for  
4                   prescription opioids?

5           A.     Yes.

6           Q.     And does West Virginia have a disability  
7                   population of 18 percent compared to 12 percent of  
8                   the U.S. population?

9           A.     Yes.

10          Q.     And that's as of the March 2017 date,  
11                  correct?

12          A.     I -- the asterisk is --

13          Q.     Or --

14          A.     -- only for Medicaid. So I would say at  
15                  the time of the presentation, those were probably  
16                  valid and most current data.

17          Q.     Okay, thank you. And then going to the  
18                  next page, are these factors that you would  
19                  consider in determining the legitimate need for  
20                  prescription opioids?

21          A.     You know, some might be; some might not be.  
22                  So I wouldn't say necessarily. There are some that  
23                  are missing, like you know -- so this -- these  
24                  slides, these two slides, were not meant to convey

1 the message, I think, what -- what we're trying to  
2 convey here.

3 Q. Sure. I understand. But when you say some  
4 of them would be something you would consider in  
5 determining legitimate need, which ones would those  
6 be?

7 A. I would use --

8 Q. Just focusing on the slide -- I'm sorry,  
9 Doctor. Just focusing on the slide, there are  
10 three factors, correct --

11 A. Yes.

12 Q. -- that are listed on this slide? And one  
13 of those -- the first is "Bachelor's degree or  
14 higher"?

15 MR. COLANTONIO: I'm sorry, I wanted  
16 to make sure we're clear. You said there's three  
17 on the slide. Are you referring to --

18 THE DEPONENT: Flip over.

19 MR. COLANTONIO: Well, it says, four,  
20 five and six. That's why I'm a little bit confused  
21 because it indicates --

22 MS. JINDAL: I see.

23 MR. COLANTONIO: Not three, but --

24 MS. JINDAL: I will ask again.

1 Q. I apologize, Doctor, I know we're moving a  
2 little fast here. On the Slide 7 which ends in  
3 Bates 096, you identify additional demographic  
4 factors that you have studied, correct?

5 A. Yes.

6 Q. And the fourth of these demographic factors  
7 - or the one that's numbered No. 4 on this slide -  
8 is the percentage of the population that has a  
9 bachelor's degree or higher, correct?

10 A. That is it, correct.

11 Q. Okay. And is that a factor that you would  
12 consider in determining the legitimate need for  
13 pain -- or legitimate need for prescription  
14 opioids?

15 A. Not necessarily.

16 Q. Could you please explain your answer?

17 A. Sure. Because if -- if I was looking at  
18 the legitimate needs for opioid prescription, I  
19 would focus my attention on -- in addition to the  
20 trend data from the 1990s, with actual conditions  
21 that actually require people to use opioids as a  
22 last resort, not necessarily the determinants of  
23 their living meaning, you know, what's their  
24 income, what's the degree, are they poor or not.

1 I think those would be very  
2 stigmatizing factors to figure out, and that would  
3 not be the way I would recommend necessarily that  
4 we go first and foremost. I would be focused more  
5 on health conditions at the end of the day, because  
6 when we write people opioids -- at least when we're  
7 supposed to write prescriptions -- legitimate  
8 prescriptions for opioids, they have to be related  
9 back to their health and medical conditions, not  
10 the other way around.

11 Q. Okay. So just to be clear, you would -- I  
12 think actually, you were clear. I'm going to move  
13 on.

14 The next one, is that the same true for  
15 median household income, it's not the first thing  
16 you would consider, but it's something you might  
17 consider if you needed to?

18 A. Yeah, again, these are the socially  
19 determinant factors that I would generally not  
20 prioritize in the consideration for the need for  
21 pain medications overall, but also for need for  
22 nonpharmaceutical options.

23 And so when I say -- when we talk about  
24 opioids, I like to make sure that we're talking

1 about nonpharmaceutical options, pharmaceutical,  
2 nonopioid options and opioid options. So there's  
3 these three categories, going backwards.

4 So that's -- those are the things that  
5 I would look at. But these are not the categories  
6 I would look at beyond age and disability.

7 Q. Okay. So I'm a little confused now,  
8 Doctor, because I thought we were talking about a  
9 baseline assumption for the need for prescription  
10 opioids.

11 A. Uh-huh.

12 Q. Were we not?

13 A. Yes. I can explain that if you would like  
14 me to.

15 Q. No. What I'm trying to understand is,  
16 Doctor, your -- when you said that you would look  
17 at the 1990s as the decade for determining the  
18 baseline for the need for prescription opioids, you  
19 were talking -- when you said "Prescription opioids  
20 there," you were talking about controlled  
21 substances, correct?

22 A. Yes.

23 Q. Okay. And so when I asked you if you would  
24 consider the demographics listed on page 0926 of

1 Exhibit 54, you were saying that these are some  
2 that you may consider in terms of determining  
3 social -- the social environment in the 1990s in  
4 ultimately determining a real number for that  
5 baseline. Is that correct?

6 MR. COLANTONIO: Object to the form.

7 A. No. And once again, I like to be clear and  
8 consistent rather than have twisted way of getting  
9 through, so if you don't mind, I'd like to clarify  
10 once again, but I'd like to be very clear and  
11 consistent about it, if that's okay.

12 Q. Please.

13 A. So what I basically said both to my  
14 counsel, plaintiffs, and to you, is this: That in  
15 order to figure out what would be the appropriate  
16 prescriptions or the legitimate credible  
17 prescriptions for opioids today or in the last few  
18 years, what you would have to see is you would have  
19 to find a baseline.

20 The closest you can get to baseline is  
21 within the decade, some formula for in the 1990s.  
22 If that's a consistent prescribing, you could take  
23 a particular year; if it's a up and down, then you  
24 could do an average.

1           Now, with that, when you took -- take a  
2     number of other factors to determine that. Those  
3     factors include individual health factors of folks.  
4     They may or may not include Medicaid status, for  
5     the reason we mentioned.

6           They also include the -- what we know  
7     now. So that means that we cannot ignore the CDCs  
8     evidence-based recommendations of 2016 that now say  
9     that we do not use opioids as first line of  
10    treatment. To the point and to the extent that  
11    that was being done in the 1990s, we need to  
12    correct for that.

13           And that's where the thought comes in  
14    that we have to look at those numbers and that we  
15    have to look at, okay, if there was 100  
16    prescriptions, you know, for 1,000 people, how many  
17    of those would have been credibly reduced by using  
18    nonpharmaceutical options, and then how many of  
19    those would have been further reduced by using  
20    nonopioid pharmaceutical options, and then we get  
21    to the bottom line of, okay, how many would have  
22    been okay to use for opioids.

23           So that's why I'm not -- I'm not coming  
24    to you with a "I know the answer." I'm giving you



1 a range that I believe 80 to 90 percent.

2 But at the end of the day, if you do  
3 the math, then we can know for certain. But those  
4 are the factors, the pillars of how -- what it  
5 would take to make that determination.

6 But it may -- it may be 80 percent  
7 diverted; it may be 90 percent diverted; it may be  
8 99 percent diverted.

9 I cannot tell you that right now  
10 sitting here. But I can tell you the factor that  
11 would take -- and again, I'm -- I'm working very  
12 hard to be clear and consistent.

13 Q. No, that was really helpful. Thank you,  
14 Doctor. So again, this is an anal -- what we're  
15 outlining here, what we're discussing here, is the  
16 analysis and how it should be conducted, not what  
17 your old analysis has been, correct?

18 MR. COLANTONIO: Object to the form.

19 A. No, I think I have a right to provide --  
20 look, when the Governor of the State asks me --

21 Q. Doctor --

22 MR. COLANTONIO: Hold on. Let him  
23 finish his answer, please.

24 A. When the Governor of the State, in my

1 capacity as the State Health Commissioner, State  
2 Health Officer, asks me, I don't go after every  
3 question and say, "Governor, I can't answer you.  
4 Let people die until I conduct an analysis."

5 We provide -- and the way the medicine  
6 and public health works is we provide our best  
7 estimate based on our experience and based on our  
8 knowledge and training in order to move forward and  
9 provide solutions. And that's exactly what I'm  
10 providing to you here.

11 Q. Okay. So your analysis that 80 to 90  
12 percent of prescriptions were unnecessary in the --  
13 I'm sorry, Doctor, I actually don't know if you  
14 gave a range.

15 MS. JINDAL: I'll strike all that.

16 Q. Your analysis that 80 to 90 percent of  
17 prescriptions were unnecessary, that is based on  
18 your experience and you -- but not any particular  
19 scientifically-rigorous analysis that you have  
20 conducted. Is that fair to say?

21 MR. COLANTONIO: Object to the form of  
22 the question.

23 A. I don't think so. Because if you look at  
24 my report, you will find the rigorous scientific

1 analysis that was conducted and that gives you a  
2 very good cry tear I can't to build that off of  
3 from and to arrive at that estimate that I have  
4 provided.

5 Q. So you -- and just to be clear, when you  
6 say your report, you're referring to Plaintiff's  
7 Exhibit 1?

8 MR. COLANTONIO: Object to the form.

9 Q. Is that the historical overview?

10 MR. COLANTONIO: Object to the form.

11 A. I -- I'm referring to wherever the analysis  
12 resides that I know of exists which is the  
13 prescription -- prescription opioids overlaid with  
14 the deaths and other substances. That was --  
15 wherever the form might be. I'm happy to find it  
16 for you and provide it for you, but that's what the  
17 analysis was.

18 It might be in the report. I have not  
19 had a chance to review that report fully.

20 MS. JINDAL: Mark, do you have a copy  
21 of the report with you by any chance?

22 MR. COLANTONIO: I'm sorry, I'm a  
23 little confused myself. Because I'm not sure what  
24 you're referring to. And I just don't -- I don't

1 want to --

2 Well, I don't want to --

3 MR. FITZSIMMONS: Didn't we make that  
4 as an exhibit?

5 MR. COLANTONIO: I don't want to make  
6 any speaking objections, but I think maybe there's  
7 a miscommunication going on. I think what the  
8 doctor is trying to tell you is he's done a lot of  
9 reports and in those reports, he's got a lot of  
10 information, some of which may or may not be  
11 exhibits here, and if you want us to - after this  
12 deposition or sometime - give you something that --

13 I mean, I don't know what to tell you.  
14 It -- anyhow, I don't know what you're referring  
15 to, so --

16 MS. JINDAL: Okay.

17 MR. COLANTONIO: That's as clear as I  
18 can be.

19 BY MS. JINDAL:

20 Q. Doctor Gupta, you don't know right now any  
21 particular report that contains your opinion that  
22 80 to 90 percent of prescription opioids were  
23 illegitimate -- a prescription for opioids was  
24 illegitimate?

1 MR. COLANTONIO: Objection to the form  
2 of the question.

3 I'm sorry, I don't think he said that.  
4 What he's saying is that the basis for his -- part  
5 of the basis for what he's saying is in that  
6 report, the data. I think.

7 He's gonna speak for himself, and I  
8 don't mean to interrupt. Just trying to help.

9 A. It's an opinion -- to answer the question,  
10 it's an opinion that I'm providing to you based on  
11 the question being asked to me, of me, and based on  
12 my extensive work, knowledge, products created over  
13 time as well as what exists nationally in terms of  
14 the prescription opioids, the trend data as well as  
15 the overdose data.

16 So that would be my answer.

17 Q. And just to be clear, you haven't written  
18 out this analyses that ultimately led to your  
19 conclusion that 80 to 90 percent of prescriptions  
20 for opioids were unnecessary anywhere. Anywhere in  
21 one place. To be clear.

22 A. I personally did not write down what I have  
23 expressed to you as my expert opinion today.

24 Q. One of the factors -- or one of the things

1 you talked about, Doctor, was -- I want to go back  
2 to your testimony, because I want to make sure I  
3 get this right.

4 You said if you -- and this is in the  
5 context of -- this was in response to plaintiff's  
6 counsel's questions. Plaintiff's counsel asked you  
7 about the cause of the dramatic increase in opioid  
8 pill prescriptions in West Virginia from the late  
9 1990s to the mid two thousand teens.

10 And as part of that answer, you said,  
11 "If you use it" - "it" referring to prescription  
12 opioids - "for more than three to five days, you're  
13 at a high risk of becoming addicted or having an  
14 addiction."

15 And what is your basis for believing  
16 that?

17 MR. COLANTONIO: I'm just going to  
18 maybe ask you to read the whole answer so he can  
19 get the context.

20 MS. JINDAL: Yeah. The whole answer  
21 is a very long one, but I can point you to it if --  
22 if you can, but --

23 MR. COLANTONIO: I don't have the --

24 MS. JINDAL: Sure. I'll read the

1 whole answer.

2 Q. "So as I stated, the first inciting event  
3 was the effort to change the standards of pain and  
4 care for pain. As we changed the standard of care  
5 for pain in somewhere around late 1990s -- and  
6 really, I think it was like Robert Wood Johnson  
7 funded the work initially in 1997 that led to the  
8 JCAHO having that changed standard and the Cancer  
9 Society work at the same time, the VA, the federal  
10 government had changed, and this extraordinary  
11 effort was placed.

12 There was quote 'several reasons for it  
13 that we were getting details on.' One was the more  
14 ethical, we have an obligation to provide patients  
15 an absolute zero level of pain, it had to come down  
16 from 10 to zero.

17 The other was that you could be held  
18 liable if you don't do that, so it was about  
19 punitive actions.

20 And the third was, there is no  
21 addiction, no consequence and this was a really  
22 good safe medication and there was no --

23 What was happening really during this  
24 time - now looking in retrospective in fact - was

1 that, you know, you have a set population that was  
2 going to get the prescriptions in this context of  
3 changed standard of care of pain.

4 They were getting the prescriptions, so  
5 you get a tooth pulled - and that numbers hasn't  
6 changed over time - you know, anything you get 30  
7 days of -- 30 days of liberal prescribing of an  
8 opioid.

9 You may be using two pills or three  
10 pills and they go, you know, in your closet,  
11 medicine cabinet.

12 So what happens is: If you used it for  
13 more than three to five days, you have a high risk  
14 of becoming addicted -- having addiction. Use it  
15 for a few days, then there's a high risk of  
16 diversion right there."

17 And I'm going to stop reading there  
18 because I just want to focus on that first sentence  
19 right there, "If you use it for more than three to  
20 five days, you have a high risk of becoming  
21 addicted."

22 Now, there, were you referring to  
23 someone with a prescription for opioids?

24 A. So I just want to correct -- if I made the



1 mistake, the Robert Wood Johnson work was  
2 commissioned in 1997, I believe, just for details.

3 I was -- yes. So to the answer, yes.  
4 I was referring to someone who may have  
5 appropriately or inappropriately been prescribed a  
6 prescription for opioids.

7 Q. Okay. And you said "If someone is using  
8 prescription opioids pursuant to their prescription  
9 and they use it for more than three to five days,  
10 you have a high risk of becoming addicted."

11 My question for you is: Where does  
12 that -- where does that number come from? Where  
13 does that understanding come from?

14 A. So the higher risk as opposed to no risk of  
15 becoming addicted after using three to five days is  
16 well established in literature, and the most --  
17 probably the best reference would be the CDC's  
18 opioid guidelines of 2016, the opioid prescribing  
19 guidelines.

20 Q. And have you reviewed that literature  
21 yourself?

22 A. Yes. The opioid -- CDC's opioid  
23 guidelines, yes, I have. I have not recently, so  
24 I'm gonna have a little bit difficult time

1 recalling every aspect of it right now.

2 Q. And you haven't reviewed the underlying  
3 study that the CDC cited?

4 A. I do not recall right now. I believe I  
5 would have. It was one of the basis for me to --  
6 for the Opioid Reduction Act, Senate Bill 273,  
7 where we agreed on limiting the initial  
8 prescription to four days.

9 There was a -- a good discussion about  
10 this, three to five days, within the physician  
11 community, of the legislature and myself and  
12 others, and we agreed upon four days.

13 So yes, I have.

14 Q. And you said "use it for a few days and  
15 then there's a high risk of diversion right there."

16 So I want to ask you: Your -- when an  
17 individual is prescribed opioids and they use them  
18 for, let's say, two to three days and then leave  
19 the remainder in their medicine cabinet, do the  
20 prescription opioids sitting in the medicine  
21 cabinet themselves induce addiction in others?

22 MR. COLANTONIO: Object to the form.

23 A. I'm sorry, I don't know -- I didn't  
24 understand that question.

1 Q. Okay. I'm talking about the pills in the  
2 medicine cabinet that are, as you said, there's a  
3 risk -- high risk of diversion right there. Is  
4 that accurate?

5 MR. COLANTONIO: I'm sorry. I object  
6 to the form of the question. I'm not sure of the  
7 question.

8 A. Could you repeat the question, please?

9 Q. Sure. Do prescription pills that are --  
10 you said prescription pills in a medicine cabinet  
11 form a high risk of diversion. Why is that?

12 A. I did not say that.

13 Q. Okay. Do prescription pills in a medicine  
14 cabinet --

15 MS. JINDAL: Let me strike that.

16 Q. You know, it might be that my coff -- my  
17 tea was too weak and I need some coffee. So if we  
18 can, can we just take a ten-minute break and then  
19 I'll gather my notes and we'll come back?

20 MR. COLANTONIO: Okay.

21 VIDEO OPERATOR: Going off the record.  
22 The time is 2:55 p.m.

23 (A recess was taken after which the  
24 proceedings continued as follows:)

1 VIDEO OPERATOR: Now begins Media Unit  
2 6 in the deposition of Rahul Gupta, M.D. We're  
3 back on the record. The time is 3:10 p.m.

4 BY MS. JINDAL:

5 Q. Doctor Gupta, you've been retained as an  
6 expert consultant for opioid litigation in West  
7 Virginia, correct?

8 A. I'm looking at -- because I've been asked  
9 for this deposition and --

10 (A discussion was had off the record  
11 regarding the court reporter having  
12 been disconnected.)

13 A. Could you -- could you repeat the question  
14 please.

15 Q. Dr. Gupta, not focusing on today's  
16 deposition, you have been retained as an expert  
17 consultant for opioid litigation in West Virginia,  
18 correct?

19 MR. COLANTONIO: In the MLP, yes.

20 Q. Dr. Gupta, if you can answer?

21 VIDEO OPERATOR: Now begins Media Unit  
22 6 in the deposition of Rahul Gupta, M.D. We're  
23 back on the record. The time is 3:10 p.m.

24 BY MS. JINDAL:

1 Q. Doctor Gupta, you've been retained as an  
2 expert consultant for opioid litigation in West  
3 Virginia, correct?

4 A. I'm looking at -- because I've been asked  
5 for this deposition and --

6 (A discussion was had off the record  
7 regarding the court reporter having  
8 been disconnected.)

9 A. Could you -- could you repeat the question  
10 please.

11 Q. Dr. Gupta, not focusing on today's  
12 deposition, you have been retained as an expert  
13 consultant for opioid litigation in West Virginia,  
14 correct?

15 MR. COLANTONIO: In the MLP, yes.

16 Q. Dr. Gupta, if you can answer?

17 THE COURT REPORTER: Are we back on  
18 the record and I missed that piece. Did Adam put us  
19 back on the record.

20 VIDEO OPERATOR: We never went off the  
21 record but we heard you when your phone audio cut  
22 and so we just paused and we've been waiting.

23 THE COURT REPORTER: Okay. I'm sorry.

24 A. So, yes for MLP and, yes.

1 Q. By Mr. Colantonio's firm?

2 MR. COLANTONIO: Yes. And Napoli  
3 Shkolnik as well.

4 A. Napoli Shkolnik.

5 Q. In addition to Mr. Colantonio's firm?

6 A. Yes.

7 Q. And are you being paid for that work?

8 A. I have received -- yes.

9 Q. By the hour?

10 A. Yes.

11 Q. How much per hour?

12 A. I believe it's \$500.

13 Q. And the opinions that you've expressed in  
14 your testimony today, are those opinions that you  
15 provided in the course of your expert consulting  
16 for Mr. Colantonio's firm?

17 MR. COLANTONIO: No, he has not.

18 A. No. It's -- I'm providing because I was  
19 asked to be -- I was asked -- I was provided a  
20 subpoena and I was asked to be deposed today.

21 Q. Well, I'm not asking why you're testifying  
22 today, sir. I'm asking whether the opinions that  
23 you have expressed today in your deposition  
24 testimony are also ones that you've provided in the

1 course of your consulting, expert consulting, for  
2 Mr. Colantonio's firm.

3 MR. COLANTONIO: So let me just place  
4 an objection. So this -- we are in state court in  
5 West Virginia. The state court in West Virginia,  
6 as a consultant, I don't believe you're entitled to  
7 obtain information about his opinions as a  
8 consultant.

9 We've not yet identified trial experts.  
10 And so if he does become a trial expert, at that  
11 point you will be able to find that out. But at  
12 this point, he's a consultant, and so I want to  
13 have a continuing objection about that, and I'm not  
14 sure - given the overlay of this deposition in  
15 federal court - how that would play out  
16 procedurally, but I don't believe you're entitled  
17 to inquire in state court in the litigation at this  
18 point because he's a consultant, not identified as  
19 a trial expert, testifying expert, yet so you can't  
20 inquire into those areas.

21 MR. SHKOLNIK: This is Hunter  
22 Shkolnik. I'm also on this deposition. I'm  
23 objecting because under the Federal Rules, 26, you  
24 are not entitled to any information about a

1 retained consultant until they're a designated  
2 expert, and I'm directing him not to answer, and  
3 I'll make the motion in federal -- I'll go to  
4 federal court and argue that.

5 MR. RUBY: He is a -- he has - and I  
6 did confirm this over the break - been designated  
7 as an expert in this case.

8 He's been evidently retained as a paid  
9 expert by counsel for the plaintiffs in this case,  
10 and --

11 MR. COLANTONIO: No, no. Hey, Steve,  
12 that's not correct. Let me make sure -- let me  
13 tell you exactly what the -- what this is, okay,  
14 just so we're clear.

15 He has not -- he has been retained as a  
16 paid expert consultant in the MLP case, okay?

17 He has not been retained as an expert,  
18 paid expert, or a retained expert in the federal  
19 case. As I understand it, he is a nonretained  
20 expert in the federal case.

21 He is a retained consultant in the  
22 state MLP case, which I think Hunter is correct,  
23 does not entitle you to get into what we're talking  
24 about in the state case because he's a consultant



1 at this point, not identified as trial testifying  
2 expert.

3 But he's not -- he's not been retained  
4 as a -- as a retained expert in the federal case.

5 MR. RUBY: No, I understand the  
6 distinction that's being attempted, but --

7 MR. COLANTONIO: No, it's a fact.  
8 That's a fact. That's not being attempted. That's  
9 what it is.

10 MR. FITZSIMMONS: Let me just put it  
11 on the record, let's move on. Come on. Let's move  
12 on, let's go.

13 MR. RUBY: Well, I -- there's a --  
14 there's a question -- the problem, Bob, is that  
15 there's a question pending and Mr. Shkolnik has  
16 instructed him not to answer.

17 MR. FITZSIMMONS: Okay. So that -- so  
18 we can move on from there.

19 MR. RUBY: No, I think we -- I'm  
20 trying to work this out before we have to call  
21 Judge Wilkes --

22 MR. COLANTONIO: Let me make sure I'm  
23 clear. So it's a timing issue. He was retained as  
24 a consultant in the MLP case before you guys issued

1 a subpoena, all right? So, I mean, your subpoena  
2 is with -- what brought him here, not nothing else  
3 but your subpoena.

4 So I mean, it is what it is. He  
5 responded to subpoena, and so that's what brought  
6 him here, nothing else. And if you hadn't issued a  
7 subpoena, we wouldn't be here and this wouldn't be  
8 an issue.

9 MR. FITZSIMMONS: Right.

10 MR. RUBY: No, no, no, we're here and  
11 we issued a subpoena because he -- because he was  
12 on plaintiffs' initial list of witnesses, and as  
13 has already been pointed out, he's disclosed as --

14 MR. FITZSIMMONS: Whatever.

15 MR. RUBY: -- he's disclosed as an  
16 expert in this case, as a nonretained expert in  
17 this case, and yet he's being paid under a retainer  
18 agreement by counsel for the plaintiffs in this  
19 case, and so --

20 MR. COLANTONIO: He's not being paid  
21 by -- in this case. He's not being paid in this  
22 case. You can ask him that.

23 MS. KEARSE: Just to be clear, it's  
24 clear in our disclosure that he's an unretained

1 expert. While his testimony will be very factual  
2 in nature, there could be information that may be  
3 considered expert testimony based on his  
4 experiences and his work, so that's why it's under  
5 Rule 26(a)(2)(C) that we have disclosed him as an  
6 unretained expert in addition to a witness with  
7 knowledge in regards to the issues in the federal  
8 case.

9 MR. RUBY: And he's being paid in a  
10 different case where he's a consultant for counsel  
11 who are also counsel for plaintiffs in this case.  
12 Is that correct? Is that the position?

13 MR. COLANTONIO: That's true. But it's  
14 a different case.

15 MR. RUBY: And the question --

16 MS. KEARSE: I want to clarify it to  
17 the -- I'm not -- I do not know in the MLP case on  
18 behalf of my Motley Rice clients on what that  
19 relationship is. There may be some other cases  
20 that have formerly retained him.

21 We are all in the MLP, but I, as  
22 counsel for the City of Huntington, I just don't  
23 think it would be correct to say that plaintiffs'  
24 counsel, that is, the City of Huntington and Cabell

1 County in this case, have retained him in the other  
2 case.

3 That may be a down-the-road case and I  
4 would have to talk with Mr. Colantonio about that  
5 as well, just for clarity's sake on that.

6 MR. RUBY: And I think the -- just so  
7 we're all clear, I think the question that is  
8 pending, the question that's on the floor, is  
9 whether the opinions to which he's testified today  
10 are opinions that he has provided in his retained  
11 engagement in other West Virginia opioid  
12 litigation.

13 MR. COLANTONIO: Are we on the record  
14 or off the record, by the way?

15 MR. RUBY: We're on.

16 MR. COLANTONIO: I'm sorry, on or off?

17 MR. RUBY: I don't think anybody's  
18 taken us off. And we'd like to stay on for this  
19 discussion.

20 MR. COLANTONIO: Okay, that's fine.  
21 Well, whatever, Bob. Is there a question pending?

22 MR. RUBY: Yes.

23 MR. FITZSIMMONS: What's the question?

24 MR. RUBY: Teresa, are you able to go

1 that far back?

2 THE COURT REPORTER: Sure. Yes.

3 "And the opinions that you have  
4 expressed in your testimony today are those  
5 opinions that you provided in the course of your  
6 expert consulting for Mr. Colantonio's firm?"

7 MR. COLANTONIO: And I think at that  
8 point -- Hunter, are you instructing him not to  
9 answer?

10 MR. FITZSIMMONS: He is.

11 MR. SHKOLNIK: Yes, because first of  
12 all he's not retained by any firms other than ours,  
13 not Motley Rice or anybody else, and under the  
14 federal rules, he does not have to be giving  
15 answers as a retained consulting expert as to what  
16 he's considered, done, his opinions or anything  
17 along those lines.

18 MR. RUBY: And the problem --

19 MR. SHKOLNIK: And just so -- wait.  
20 The problem is, the question specifically asks,  
21 what did you do in the MLP case for my firm and the  
22 Colantonio firm, and that's the inappropriate  
23 question.

24 If you rephrase the question, it may be

1 appropriate.

2 MR. RUBY: The question doesn't say  
3 anything about the MLP; the question is about  
4 Mr. Colantonio's firm, which is counsel for the  
5 plaintiffs in the case in which this deposition is  
6 being taken.

7 MR. SHKOLNIK: No, that's not the  
8 question. Read it back again.

9 MS. KEARSE: We clarified that.

10 MR. COLANTONIO: The question was:  
11 Did you provide these opinions in the other case in  
12 which we retained him, and that's -- that's what  
13 Hunter's saying. That's the question. You're  
14 asking for whether or not --

15 MR. SHKOLNIK: It's under the federal  
16 rules of civil procedure.

17 MR. COLANTONIO: -- in the other case.  
18 That gets into the other case.

19 MR. RUBY: And so -- well, if -- just  
20 let me make sure I understand. If your -- if your  
21 position is that we can't ask whether he's provided  
22 these opinions as part of his retained  
23 engagement --

24 MR. COLANTONIO: -- in the MLP --

1                   MR. FITZSIMMONS: Why don't you just  
2     have, Steve -- have Jyoti answer the question  
3     again. Let's go from there.

4                   MR. RUBY: Jyoti, go ahead.

5                   MS. JINDAL: Sure.

6     BY MS. JINDAL:

7           Q.     The opinions that you expressed in your  
8     testimony today, are those opinions that you  
9     provided in the course of your expert consulting  
10    for Mr. Colantonio's firm?

11                  MR. FITZSIMMONS: Mark.

12                  MR. COLANTONIO: Hunter, are  
13    you instructing him not to answer? Is Hunter on  
14    there?

15                  MR. SHKOLNIK: Yeah, I'm here. That  
16    question, is it something they gave to  
17    Mr. Colantonio's firm, I think that's privileged.  
18    We're his counsel for this deposition.

19                  MR. RUBY: Oh, come on. He's your  
20    expert and your client so everything you discuss  
21    with him as an expert is privileged?

22                  MR. SHKOLNIK: Until he's a designated  
23    expert in litigation, yes.

24                  In our litigation.

1 MR. RUBY: His relationship with your  
2 firm, Hunter, I think is different from your  
3 relationship with Mark's because you haven't  
4 appeared as counsel for the plaintiffs in this  
5 case, but the Fitzsimmons firm has, and he is a  
6 disclosed expert in this case, in which Mark and  
7 Bob are counsel for plaintiffs.

8 MS. KEARSE: And I think I clarified  
9 earlier, Mr. Colantonio has appeared, I believe,  
10 his firm, on some depositions on there, but  
11 Mr. Colantonio's firm does not represent the City  
12 of Huntington. No, they --

13 MR. RUBY: They've noticed an  
14 appearance for the City of Huntington. I mean, you  
15 can't notice an appearance for a specific  
16 deposition and say "We're only representing you in  
17 this deposition."

18 MS. KEARSE: Well, there are certain  
19 depositions in the ML -- in the MDL versus the MLP  
20 that they've appeared, some third-party  
21 depositions, and I understand on behalf of the  
22 Prosecutor's Office in Cabell County.

23 MR. RUBY: That was -- that's  
24 different. My understanding is they were



1 representing the Prosecutor's Office there. But  
2 they filed -- they have appeared as counsel for  
3 plaintiffs, Cabell County Commission and City of  
4 Huntington, in this case.

5 MR. FITZSIMMONS: Hey, Steve, this is  
6 Bob. Do you mind if we just take a moment -- we'll  
7 step out. Do you mind if we actually talk to our  
8 client at this point? Because we're talking about  
9 privilege here and it gets a little -- the  
10 designation with Hunter --

11 MR. RUBY: Sure, that's fine.

12 MR. FITZSIMMONS: -- resolve this for  
13 a second.

14 MR. RUBY: Yeah, let's go off the  
15 record.

16 MR. FITZSIMMONS: Okay.

17 VIDEO OPERATOR: Going off the record.  
18 The time is 3:25 p.m.

19 (A recess was taken after which the  
20 proceedings continued as follows:)

21 VIDEO OPERATOR: Now begins Media Unit  
22 7 in the deposition of Rahul Gupta, M.D. We are  
23 back on the record. The time is 3:29 p.m.

24 BY MS. JINDAL:

1 Q. Doctor Gupta, the opinions that you  
2 expressed in your testimony today, are those  
3 opinions that you've provided in the course of your  
4 expert consulting for Mr. Colantonio's firm?

5 A. No.

6 Q. And did Mr. Colantonio approach you to  
7 serve as an expert consultant for opioid litigation  
8 in West Virginia?

9 A. No.

10 Q. Apologies. Did someone from  
11 Mr. Colantonio's firm approach you to serve as an  
12 expert consultant for opioid litigation in West  
13 Virginia?

14 A. No.

15 Q. Who approached you to serve as an expert  
16 consultant for opioid litigation in West Virginia?

17 A. I am not sure that I -- I've been  
18 approached to serve as expert consultant in West  
19 Virginia. I mean, I am sorry, I'm not a legal  
20 person, as I said at the very beginning, so various  
21 cases, I don't --

22 Q. Let me try to make myself more clear. Who  
23 did you -- who first contacted you about serving as  
24 an expert consultant for opioid litigation

1 regarding the opioid crisis in West Virginia?

2 A. I think I spoke with Hunter a bit back and  
3 we had talked about, and I really -- you know, it's  
4 been a long time, but I did not really have the  
5 time for quite a bit to be able to do any work  
6 beyond --

7 So we had a good discussion. I  
8 listened to him and said I will just, you know,  
9 make a decision based on being available and time  
10 and other things.

11 So that's basically where I think, you  
12 know, my work or my agreements or talks have been,  
13 with mostly Hunter.

14 Q. And that's Mr. Hunter, the Hunter you're  
15 referring to, that's of Hunter Shkolnik, the firm?

16 A. Yes, Hunter Shkolnik.

17 Q. The firm Hunter & Napolini, I believe -- or  
18 I'm sorry, Shkolnik Napolini.

19 MR. GOOLD: I believe it's Napoli.

20 MS. JINDAL: Sorry, Napoli. I  
21 apologize. You see it so many times on e-mails  
22 that you don't actually read it after a while so --  
23 BY MS. JINDAL:

24 Q. Doctor, you were asked about a social

1 autopsy; is that right?

2 A. Yes.

3 Q. And that refers to the 2016 fatality  
4 overdose analysis that your team at the West  
5 Virginia Bureau for Public Health conducted,  
6 correct?

7 A. Yes.

8 Q. And the purpose of that study was to  
9 identify causes of overdose deaths. Correct?

10 A. The purpose of the work was to understand  
11 better the factors associated with people that  
12 result in death, but the entire consequence of a  
13 period of time by one year prior to their death, to  
14 better understand their characteristics.

15 Q. And was it all deaths or just opioid  
16 deaths?

17 A. This was all deaths from overdose in 2016  
18 in the state of West Virginia.

19 Q. So that includes prescription opioids, for  
20 example?

21 A. Yes.

22 Q. It also includes heroin, for example?

23 A. It could.

24 Q. Does it also include overdose deaths where

1 methamphetamines was used?

2 A. It could.

3 Q. Almost every overdose death involves  
4 multiple substances, correct?

5 A. Not necessarily.

6 Q. You're right. I used the word -- sorry.

7 Doctor, if you could turn back to that  
8 Exhibit 54.

9 A. That's the presentation?

10 Q. Yes. State of Health on October 26, 2018.

11 A. I have it.

12 Q. Okay. Could you please turn to Slide 17?  
13 And that ends with Bates No. 0936.

14 A. Yes.

15 Q. Okay. And does this slide reflect the fact  
16 that most overdoses include multiple drugs?

17 A. I'm reviewing it.

18 So the slide we're looking at really  
19 involves the average number of drugs per fatal  
20 overdose. That is very different than the  
21 statement that you provided me. What this means is  
22 that it could be out of 100, that one person could  
23 have 100 substances and we could call it -- there's  
24 -- and the other 99 would have a total of 100

1 substances, and we could say, "Well, it's two  
2 substances per person" because we added up and  
3 divided by 100.

4 Or it could be that the other 100 could  
5 have two each rather than having 100 substances in  
6 one person. So I don't think this slide provides  
7 adequate evidence to make the claim as has been  
8 stated.

9 Q. Focusing just on the time period from 2001  
10 to 2013 there, is there a general trend --

11 I'm sorry. Focusing on the dark blue  
12 box that's on that slide - it's written "2001" to  
13 "2017 Percentage Difference:" Plus "16.9%" - does  
14 that reflect an average trend upward in the number  
15 of average drugs -- in the average number of drugs  
16 involved per fatal overdose over that time period?

17 A. Yes, from 2001 to 2017, if you look at the  
18 numbers above the blue bar, you will see in 2001,  
19 it says, "2.32." And in 2017, you see it says  
20 "2.79." If you subtract the two and you get a  
21 number and you divide it by 2.32 and multiply that  
22 by 100, I believe you will arrive at the number of  
23 16.9 percent.

24 Now, simplistically looking at that,

1 we'll ignore the fact that these values peaked in  
2 2012 and '13 and '14, and there have been a  
3 crescendo effect.

4 Q. And the average increase per year is  
5 identified as 1 percent. Am I reading that  
6 correctly?

7 A. You're reading that correctly.

8 Once again, that's 17 years and 17  
9 percent, so the average becomes 1 percent per year.

10 Q. Going back to the 2016 autopsy report that  
11 you were discussing, did that report say anything  
12 about wholesale distributors?

13 A. I don't have the report in front of me. I  
14 did submit that, so I am not able to collect --  
15 recollect that information right off -- right now,  
16 without reviewing the report.

17 Q. Sure. I think it's Exhibit 37.

18 GUPTA DEPOSITION EXHIBIT NO. 37

19 (E-mail chain between Melton, Gupta  
20 and others Re: Overdose Death  
21 Investigations dated 3-26&27-18 with  
22 2016 West Virginia Overdose Fatality  
23 Analysis attached  
24 (DHHR\_FEDWV\_0317258-322) was marked

1                   for identification purposes as Gupta  
2                   Deposition Exhibit No. 37.)

3           A.     It will take me a little bit of time to  
4     review this.

5           Q.     And Doctor, you're welcome to review it at  
6     your pace. But I will represent to you that it  
7     does not include the word "wholesale distributors"  
8     in there.

9           A.     I will -- I will believe you at this point  
10    and concede at that point without having to fully  
11    review the report.

12          Q.     Sure. You said that many people who died  
13    of drug overdoses had filled prescriptions for  
14    controlled substances in the 30 days before they  
15    died?

16          A.     Yes.

17          Q.     And were those prescriptions written by a  
18    physician?

19          A.     I would make an assumption that those  
20    prescriptions were provided by prescribers.

21          Q.     I apologize. You've always got me on that.  
22    I appreciate it.

23                   Were those prescriptions written by  
24    prescribers?



1           A.    I cannot be as certain of that - I can make  
2   an assumption - but if there were any fraudulent  
3   prescriptions, I could not -- I could not tell you  
4   in a verified way.

5           Q.    So as far as assuming that the  
6   prescriptions were written by prescribers and did  
7   not include fraudulent prescribe -- prescriptions,  
8   were the prescribers -- they would have been  
9   licensed by the state of Virginia, correct?

10               MR. COLANTONIO: Object to the form of  
11   the question.

12           A.    It is possible, plausible, but not for  
13   sure. And the reason I say that is because what I  
14   -- we found was that those decedents who went to  
15   three or more pharmacies -- four or more  
16   pharmacies, were 70 times -- I'm sorry, were 70  
17   times more likely to have died.

18               What that means is -- so let me repeat  
19   that. So it says here, the decedents that were  
20   more -- 70 more times likely to have a prescription  
21   as four more pharmacies that died.

22               What that means is because we were  
23   sharing data with CSMP with cross border states,  
24   some could have obtained it in doctor shopping,

1 diverted prescriptions from elsewhere, but the data  
2 did come from CSMP.

3 I cannot validate whether they were  
4 exclusively West Virginia prescriptions.

5 Q. I see. Would the prescribers have been  
6 licensed by a state, if not West Virginia?

7 A. I would hope so.

8 Q. And they would have also have had to have  
9 been registered with the DEA, correct?

10 A. Similarly, I would hope so.

11 Q. Okay. And did you do any -- did you  
12 identify any physicians who wrote those  
13 prescriptions -- I'm sorry, any prescribers who  
14 wrote those prescriptions without being licensed?

15 A. Our study was -- and work was not intended  
16 to study and look at the licensure aspects of  
17 prescribers.

18 Q. So the answer is no, you didn't review the  
19 -- because you did not review the licensure of the  
20 physicians in the database, you don't -- you did  
21 not identify any who were not licensed.

22 MR. COLANTONIO: Object to the form.

23 A. It was not the purpose of the study that --  
24 I already testified to the purpose of the study, so

1 it does not -- the answer does not conform -- the  
2 question does not conform to what I have already  
3 stated.

4 Q. You testified that you started to develop  
5 an understanding of the overdose problem when you  
6 got better access to the controlled substances  
7 program -- monitoring program data. Is that  
8 correct?

9 A. That would be accurate.

10 Q. Wholesale distributors don't have access to  
11 the data in the CSMP, correct?

12 A. I have no knowledge to verify that.

13 Q. You did testify that access to the CSMP is  
14 regulated, correct?

15 A. Correct.

16 Q. And it's not something that anyone has  
17 access to, right?

18 MR. COLANTONIO: Object to the form.

19 A. It is not something that's open as a public  
20 database. That's the way to answer it.

21 Q. And in fact, you, as a Commissioner for the  
22 Bureau of Public Health, did not have access to the  
23 CSMP, correct?

24 A. The Bureau of Public Health did

1 subsequently have access to it.

2 Q. At the time you started, you did not have  
3 access, correct?

4 A. I don't know that for sure. The work --  
5 when we did this work, we did have access to the  
6 CSMP. I cannot tell -- say for certainty that in  
7 2015 I personally, as Commissioner, did or did not  
8 have access to the CSMP for the purposes of what we  
9 call fishing.

10 I am reasonably certain in my statement  
11 that I did not have authority to go fishing inside  
12 the database of the West Virginia's Controlled  
13 Substances Monitoring Program.

14 Q. And I suppose I'm referring to your  
15 testimony earlier today, that you had to embed  
16 somebody within the Board of Pharmacy to gain  
17 access to the CSMP data, correct?

18 A. We embedded Board of Pharmacy employee into  
19 the Bureau for Public Health - that was in  
20 accordance with the law at the time - to be able to  
21 conduct public health surveillance activities, in  
22 the due process of which we're able to access some  
23 of the queries that we had.

24 Q. So again, it was only a Board of Pharmacy

1 employee who was able to access the CSMP data in  
2 that?

3 A. That would be accurate.

4 Q. You testified also that the medical  
5 examiner's office had bullet holes in it, correct?

6 A. Correct.

7 Q. Is it your testimony that those bullet  
8 holes had something to do with opioids?

9 MR. COLANTONIO: Object to the form.

10 A. I wanted to -- before I answer that  
11 question, I also want to say: So in my capacity as  
12 a licensed physician and a registered prescriber, I  
13 did have access to CSMP to interrogate the CSMP if  
14 I were to for a patient.

15 I did not have the authority to fish or  
16 interrogate CSMP for those who are not my personal  
17 patients. I just wanted to add that.

18 The bullet holes were a result of  
19 violence; oftentimes the violence was a result of  
20 individuals who were under the influence of various  
21 drugs; and oftentimes those drugs included opioids.

22 Q. Do you know whether the individual who put  
23 bullet holes in the medical examiner's office was  
24 under the influence of opioids at the time?

1           A.    I do not know who the individual was who  
2    put the bullet holes in the Office of the Chief  
3    Medical Examiner's office.

4           Q.    But do you know whether that individual --  
5    without knowing their name, do you know whether  
6    that individual was under the influence of opioids  
7    at the time?

8           A.    If I do not know the identity of that  
9    individual who shot through - whether it was a cop,  
10   it was a criminal or somebody under the influence -  
11   there's no way for me to make a judgment as to what  
12   they were under the influence of.

13          Q.    The IV drug use problem that you mentioned,  
14   that's related to the use of nonprescription drugs,  
15   correct?

16          A.    Could you repeat that question, please?

17          Q.    Uh-huh.  You --

18                   MS. JINDAL:  Ms. Evans, if you could  
19   read it back.

20                   THE COURT REPORTER:  "The IV drug use  
21   problem that you mentioned, that's related to the  
22   use of nonprescription drugs, correct?"

23          A.    The IV drug use problem was an evolution of  
24   the prescription drug problem.

1 Q. And users -- individuals who inject these  
2 drugs, they are -- IV use is primarily associated  
3 with heroin. Is that right?

4 A. It could be used with heroin, although we  
5 have seen that evolve into being cut with fentanyl  
6 and other substances as well.

7 Q. Someone who's just using prescription drugs  
8 is unlikely to be using -- is unlikely to be  
9 injecting that; is that right?

10 MS. KEARSE: Object to form.

11 A. Not necessarily.

12 Q. Doctor, if you could turn to Exhibit 38.

13 GUPTA DEPOSITION EXHIBIT NO. 38

14 (Gupta testimony before the House  
15 Oversight and Government Reform  
16 Committee entitled "A Sustainable  
17 Solution to the Evolving Opioid  
18 Crisis: Revitalizing the Office of  
19 National Drug Control Policy" dated  
20 5-17-18 (DHHR\_FEDWV\_0391628-651) was  
21 marked for identification purposes as  
22 Gupta Deposition Exhibit No. 38.)

23 A. I have it.

24 Q. And I know, Doctor, you're not on that

1 cover e-mail. I'd like you to focus on the  
2 attachment that begins on page 1630 -- or the Bates  
3 -- I'm sorry, the Bates, the last four numbers are  
4 1630.

5 A. I have it.

6 Q. Okay. And I point that out just to reflect  
7 that this document that begins on Bates stamp  
8 DHHR\_FEDWV\_0391630 is an attachment to the cover  
9 e-mail dated December 20th, 2019 from Carolyn  
10 Mullen to Christina Mullins.

11 Do you see that, Doctor?

12 A. Yes. No relation between the two Mullins.

13 Q. Right. And the document that ends with the  
14 Bates stamp 1630, are you familiar with this?

15 A. Yes.

16 Q. What is it?

17 A. It's my testimony to the House Oversight  
18 and Government Reform Committee in Congress on May  
19 17, 2018.

20 Q. And did you give this testimony as a part  
21 of a hearing titled "A Sustainable Solution to the  
22 Evolving Opioid Crisis: Revitalizing the Office of  
23 National Drug Control Policy?"

24 A. Yes.



1 Q. Could you turn to page 3 of this testimony,  
2 the Bates stamp that ends in 1632?

3 A. Okay.

4 Q. And I'm going to read from the penultimate  
5 paragraph on this page. It begins, "The opioid  
6 crisis is evolving." Do you see that?

7 A. I see it.

8 Q. Okay. You write, "The opiate crisis is  
9 evolving -- illicit fentanyl and other synthetic  
10 opioids are the major driver of overdose deaths in  
11 many parts of the country now. While the opioid  
12 crisis is not just a criminal justice issue, we  
13 must support and strengthen the role of law  
14 enforcement to address the supply of illicit  
15 fentanyl, as well as other emerging illicit drugs.  
16 Overdose deaths are increasingly being associated  
17 with methamphetamine, indicating that a  
18 comprehensive approach to all illicit substances,  
19 that include law enforcement and health agencies,  
20 is needed."

21 Did I read that correctly?

22 A. Yes.

23 Q. Do you still agree with the statement?

24 A. I think in the context of my testimony,

1 including the first two and a half pages, I do  
2 agree with the statement. At the time.

3 Q. And the defendants in this case don't  
4 distribute heroin, do they?

5 A. Not to my knowledge.

6 Q. And they don't distribute illicitly  
7 manufactured fentanyl, do they?

8 A. I have never received any reports of such.

9 Q. And they don't distribute methamphetamine,  
10 correct?

11 A. I'm not sure about that one.

12 Q. They don't distribute illicit  
13 methamphetamine, correct?

14 A. Excuse me. Illicit methamphetamine could  
15 be produced through some other pharmaceutical  
16 products that are available over the counter, which  
17 the distributors may be distributing that I'm not  
18 aware of.

19 Q. Okay. But in this -- in the context of  
20 your testimony here, were you referring to over-the  
21 -- not over-the-counter, but were you referring to  
22 controlled substances that are also stimulants? Or  
23 were you referring to illicit methamphetamine?

24 A. I was referring to methamphetamine which

1 tends to be illicit, but it can be developed from  
2 licit drugs, as well as in factories in Mexico.

3 So it could be developed -- illicit  
4 methamphetamine could be developed through licit or  
5 illicit routes.

6 Q. Are you aware of defendants in this case  
7 developing licit methamphetamine?

8 A. I'm aware of over-the-counter products,  
9 pharmaceutical products, that can lead individuals  
10 to generate methamphetamine -- methamphetamine, and  
11 my depth of knowledge does not lead for me to know  
12 one way or the other if the defendants were  
13 distributors for those products.

14 Q. You're referring to codeine, for example,  
15 like Sudafed.

16 A. Yes.

17 Q. Okay. So setting aside precursor chemicals  
18 for methamphetamine, are you aware of wholesale  
19 distributors distributing methamphetamine, the drug  
20 itself, in the form to be used by someone for the  
21 purposes of obtaining a high?

22 A. Not that I'm aware of.

23 Q. Thank you. You testified that the change  
24 in the standard of care for opioids started with a

1 change in the standard of care for treatment of  
2 pain, and you also mentioned that, for example, the  
3 Joint Commission and the American Pain Society  
4 promoted that change.

5 Is that correct?

6 A. Yes.

7 Q. What prompted that change?

8 A. Are you asking me to hypothesize?

9 Q. No. As far as you know, what prompted the  
10 change in the standard of care for treatment of  
11 pain and prescription of opioids? Prescribing of  
12 opioids, excuse me.

13 A. I think in the medical community, there's a  
14 general consensus that the approval of OxyContin in  
15 the few years prior to that was an -- a factor in  
16 prompting that change. But I'm not aware of any  
17 specific indications for what prompted the change.

18 Q. And are you aware of any evidence that  
19 distributors played any role in that?

20 A. No.

21 Q. You testified that a significant part of  
22 the volume that was coming in was inappropriate.  
23 Correct?

24 A. Could you please repeat? I missed one

1 word.

2 Q. Uh-huh. You testified earlier today that a  
3 significant part of the volume that was coming in  
4 was inappropriate. Correct?

5 A. I testified that the significant amount of  
6 prescriptions that were being provided for opioids  
7 were inappropriate.

8 Q. In what way were they inappropriate?

9 A. They were inappropriate because they were  
10 either unnecessary or they were being diverted. Or  
11 they were unnecessary that led to diversion.

12 Q. In taking the first set - you said the ones  
13 that were unnecessary - did the prescribers who  
14 wrote them know that those prescriptions were  
15 unnecessary?

16 A. It's hard for me to state that if every one  
17 of those prescribers, whether they knew or did not  
18 know. That's where the context of change in  
19 standards of care for pain come into play.

20 So if a dentist wrote someone a 30 days  
21 of opioid prescription, that's clearly unnecessary.

22 If a 17-year-old kid got a football  
23 ankle sprain and got three months of Lortabs,  
24 that's clearly unnecessary.

1           Whether the writer of that prescription  
2       knew about that or not, I do not know for each one  
3       of those prescribers across the United States or  
4       for West Virginia or for Huntington, West Virginia.

5           Q.     So your categorization of them as  
6       unnecessary is based on your retrospective review?

7           A.     Both retrospective and prospective, because  
8       I was not one of those physicians when I was  
9       practicing that was writing that volume of  
10      prescriptions for those particular indications.

11          Q.     And did the physicians who wrote -- or the  
12      prescribers who wrote these prescriptions that you  
13      categorize as unnecessary, did they know that the  
14      standard of care was wrong?

15               MR. COLANTONIO: Object to the form of  
16      the question.

17          A.     It's hard for me to say what they were  
18      thinking and what they felt, how they felt about  
19      this changing standard of care for pain.

20          Q.     Is that also your answer for the categories  
21      that you said were unnecessary but led to  
22      diversion?

23               MR. COLANTONIO: Object to the form.

24          A.     Could you restate the question?

1 Q. Sure. You identified three categories of  
2 ways that you can identify prescriptions that were  
3 inappropriate. You said some were unnecessary;  
4 some were diverted; and some were unnecessary that  
5 led to diversion.

6 Correct?

7 A. Yes.

8 Q. So your perspective that you don't know  
9 whether the prescribers who wrote the unnecessary  
10 prescriptions, whether they knew that the  
11 prescriptions were unnecessary or that they knew  
12 that the standard of care was wrong, does that  
13 equally apply to the ones that wrote unnecessary  
14 prescriptions that led to diversion?

15 Let me -- let me maybe rephrase that a  
16 little bit. The prescribers who wrote  
17 prescriptions that were unnecessary that led to  
18 diversion, did they know that those prescriptions  
19 were gonna be diverted at the time they wrote them?

20 A. So I think they -- it's impossible to  
21 categorize the entire prescribers in the United  
22 States - or for that matter, West Virginia - in one  
23 box. I think the fact of the matter is, to be  
24 frank and honest, that we had some bad docs and bad

1     prescribers. They clearly knew what they were  
2     doing.

3             And we have others that were of the  
4     category that they were taking a reasonable,  
5     prudent approach as from evidence-based care.

6             And the third category that felt that  
7     what they were doing what they could to help the  
8     patients.

9             And in a change of standard of care  
10    scenario, they felt that they could give more  
11    prescriptions and they were being told these  
12    prescriptions were safe and they are helpful and  
13    they could get sued if they didn't do that, and  
14    they were just trying to help people at the end --  
15    bottom -- end of the day.

16            So I think we do have to start to look  
17    at prescribers differently based on those  
18    intentions. So that was my answer.

19            Q. And the prescribers who are just trying to  
20    do the best by their patients, would you say that  
21    they were prescribing those opioids in good faith?

22            A. I would say in the environment of changed  
23    standards of care for pain, they were prescribing  
24    -- for some, it was in good faith and helping. For



1 others, it was making sure not getting sued or  
2 being -- being regulated for the Board of Medicine  
3 for the full management of pain.

4 And still others, they were ensuring  
5 that - for example, in hospitals, when I was a  
6 hospitalist - that you're making sure that if  
7 people are -- you know, to the extent possible,  
8 having adequate controlling of pain, but also then  
9 there were colleagues of mine that were looking at  
10 the pain scales, the happy faces, and ensuring that  
11 everybody had a little nice sticker with a happy  
12 face on them.

13 Q. And is it your testimony that 80 percent or  
14 more of the prescriptions that physicians wrote in  
15 West Virginia were inappropriate?

16 A. Over a period of time, yes.

17 Q. What period of time is that?

18 A. I would say you start to look at that from  
19 2001, and clearly it starts to rise slowly. In  
20 about 2006, I think it was about 130 prescriptions  
21 per 100 people - man, woman, child, infant - and  
22 then, you know, peaking perhaps around 2012 and  
23 then starting to decline.

24 So if you look at it over the period of

1 time -- that period of time, that would be my  
2 estimate.

3 Q. So 2001 to 2012?

4 A. I think it was with a -- with a gradual  
5 rise. Between 2006 and 2012, clearly. That would  
6 be my testimony.

7 Q. I'm sorry, so I just want to be clear. Is  
8 it your testimony that 80 percent or more of the  
9 prescriptions that physicians wrote during 2006 to  
10 2012 were inappropriate?

11 A. That would be my testimony.

12 Q. Okay. 2006 to 2012. Should pharmacies  
13 have refused to fill those prescriptions?

14 A. So the pharmacies, the distributors,  
15 physicians, prescribers, everyone had a duty for  
16 due diligence at the end of the day.

17 So everybody has a responsibility.  
18 That's how our system is set up. There's a  
19 upstream responsibility which can actually prevent  
20 and avoid a lot of the carnage downstream, and then  
21 pharmacies are clearly part of the downstream  
22 impact. They also have a responsibility. They  
23 also have a level of impact. So the answer is yes.

24 Q. So your answer is yes, pharmacies should

1 have refused to fill those prescriptions.

2 MR. COLANTONIO: Object to form.

3 A. The pharmacies should have conducted a due  
4 diligence in filling any and all prescriptions,  
5 just like the distributors should have as well.

6 Q. All right. And so is it your testimony  
7 that distributors are presented with prescriptions?

8 A. It's my testimony that the distributors are  
9 part of the supply chain through which those  
10 prescriptions are filled.

11 Q. Is it -- are you saying the distributors  
12 know what prescriptions are going to be filled when  
13 they fill an order for prescription opioids placed  
14 by a pharmacy?

15 A. No. What I'm saying is: When hundreds of  
16 millions of pills are being distributed across a  
17 state with 1.8 million population, we should be  
18 able to recognize that pattern clearly.

19 MS. JINDAL: I'm going to move to  
20 strike everything after "No" as nonresponsive.  
21 Thank you.

22 MR. COLANTONIO: Well --

23 Q. Did you ever propose any action to reduce  
24 the number of prescription opioids that a pharmacy

1     could order?

2                   MR. COLANTONIO: Hold on a minute.  
3     That -- I just want to make a comment. He  
4     responded to your question. You may not like the  
5     answer, but you asked a question and he responded  
6     to it.

7                   Go ahead.

8                   MS. JINDAL: Well, I'll leave that on  
9     the record and we can fight about it another day.

10           Q. Did you ever propose any action to reduce  
11     the number of prescription opioids that a pharmacy  
12     could order?

13                   MR. COLANTONIO: Object to the form.

14           A. I'm sorry, pharmacies are not ordering  
15     prescriptions, so I don't understand the context of  
16     the question --

17           Q. I'm sorry, I may have missed a word in my  
18     question. Did you ever propose any action to  
19     reduce the number of prescription opioids that a  
20     pharmacy could order?

21                   MR. COLANTONIO: Object to the form of  
22     the question.

23           A. I once again do not understand the question  
24     real well, so if you could rephrase it for me,

1 please.

2 Q. When a pharmacy -- how does a pharmacy get  
3 prescription opioids?

4 MR. COLANTONIO: Object to the form of  
5 the question.

6 A. My understanding is that the pharmacy would  
7 make the request to the distributor to provide the  
8 supplies.

9 Q. And did you ever consider legislation or  
10 action that would reduce the number of -- the  
11 quantity of prescription opioids that a pharmacy  
12 could request from a wholesale distributor at any  
13 one time?

14 MR. COLANTONIO: Object to the form of  
15 the question.

16 A. We did promulgate legislation that reduces  
17 the amount of prescriptions including the initial  
18 prescribing, which would lead to reduction in  
19 pharmacies requesting supplies of opioids from  
20 distributors.

21 Q. I understand. Separate and aside from what  
22 you did with respect to what prescribers could  
23 prescribe, did you ever propose any regulations  
24 that would directly impact the number of

1 prescriptions that a pharmacy could order --  
2 prescription opioids that a pharmacy could order at  
3 any one time?

4 A. Our role to impact the amount of  
5 prescriptions was by doing everything we could to  
6 reduce the amount of prescriptions, and that's what  
7 we did. I still do not understand the question  
8 that you're asking, so if you can restate that in  
9 some other form, I'm happy to answer it.

10 I just don't --

11 Q. Sure.

12 A. I'm not sure --

13 Q. We agreed that a pharmacy has to place an  
14 order or request prescription opioids from a  
15 wholesale distributor before it obtains them.  
16 Correct?

17 A. Yes.

18 Q. And let's say a pharmacy places an order  
19 for 10,000 prescription opioids for the month of  
20 July 2007.

21 A. Yes.

22 Q. Okay. Did you ever consider telling all  
23 pharmacies in West Virginia -- regulating all  
24 pharmacies in West Virginia and saying, "You cannot

1 order more than 5,000 prescription opioids for any  
2 month in any year"?

3 MR. COLANTONIO: Object to the form of  
4 the question.

5 Q. Is that -- does that make the question  
6 clearer?

7 A. Yeah. There is something called the  
8 Controlled Substances Act that already requires the  
9 distributors and pharmacists to ensure that their  
10 suspicious orders that are monitored, raised,  
11 investigated, quarantined.

12 Why would we do that when there was  
13 already existing federal law to prevent that?

14 Q. There is also existing federal law about --

15 MS. JINDAL: Strike that.

16 Q. Prescribers are also regulated by federal  
17 law with respect to their prescribing of controlled  
18 substances, correct?

19 A. Yes.

20 Q. They also have to be regulated by DEA,  
21 correct?

22 A. Yes.

23 Q. And yet you still passed law that regulated  
24 their conduct within the state of West Virginia,

1 correct?

2 MR. COLANTONIO: Object to the form of  
3 the question.

4 A. Yes.

5 Q. So why does the fact that there is federal  
6 law that also regulates the conduct of pharmacies  
7 impact your decision whether or not to propose any  
8 legislation with -- that would amount -- that would  
9 regulate pharmacies under West Virginia law?

10 MR. COLANTONIO: Object to the form of  
11 the question.

12 A. The law that we passed with respect to what  
13 you're stating had to do with standards of care.  
14 This was -- it was to align ourselves with CDC  
15 recommendations, following CDC recommendations and  
16 guidelines that came out.

17 We wanted to make sure we were aligned  
18 with that, and it's about people of West Virginia.  
19 It's about making sure that the people and the  
20 residents of West Virginia are getting the highest  
21 standard of care, and that's what that related --  
22 the law was related to.

23 We expect that -- to do that. That's  
24 our responsibility. Now, let's be clear. It is



1 not our responsibility to ensure that there's  
2 enforcement of the federal law. That's not our  
3 job. That's your job. That's your client's job.

4 And we did everything we could to make  
5 sure that the standards of care for health, for  
6 medicine, were being held to the highest standards  
7 possible, and that includes the CDC guidelines.

8 Now, when it comes to maintaining  
9 suspicious orders - and I'll call them suspicious  
10 orders - and adhering to rules and laws that  
11 already exist, we depend on this relationship for  
12 the system to function that we are all doing our  
13 own respective jobs. And that clearly wasn't the  
14 case here.

15 Q. If you had limited the number of  
16 prescription opioids that a pharmacy could order,  
17 then there's a certain percentage of prescriptions  
18 that they would not have been able to fill.  
19 Correct?

20 MR. COLANTONIO: Object to form.

21 A. That would be inherently unfair to the  
22 citizens of West Virginia, because if you  
23 understand a rural state like West Virginia, you  
24 would understand that oftentimes -- and you

1     yourself mentioned that we have an aging  
2     population. You mentioned yourself that we have a  
3     disabled population. 50 percent higher than the  
4     rest of the country.

5                     And the last thing we want them to be  
6     doing is driving 80 miles because the quota for  
7     some pharmacy has been filled. So this is a  
8     balancing act, and we -- we really need all actors  
9     to be working in good faith, to be doing their part  
10    of the work.

11                    If we have -- if we had one fix to all  
12    solutions, believe me, we would have done it.  
13    Everything that we could have done was on the  
14    table.

15                    But what happens -- or maybe -- what  
16    states in policy, we have to make sure that at the  
17    end of the day, we're not hurting the people of  
18    West Virginia more than what they're already being  
19    hurt.

20                    So this is the reason why it was  
21    important for all of us to do it our own  
22    respectives -- to take on our own due diligence and  
23    do our jobs.

24                    That's my response.

1 Q. And you're not aware of the Board of  
2 Pharmacy taking any action against wholesale  
3 distributors for not doing their jobs, correct?

4 A. I'm not aware, right.

5 Q. You testified that the majority of heroin  
6 use in West Virginia was caused by prescription  
7 opioid use. Correct?

8 A. I testified that -- yes.

9 Q. Is your evidence for that -- let me  
10 rephrase. What is your evidence for that?

11 A. So if you see the pattern over the years in  
12 my report, you will see that as prescription drugs  
13 and prescriptions for that have fallen over the  
14 years because of the incremental actions that have  
15 been taken at state level, we did not see a  
16 proportionate fall in overdose deaths.

17 We certainly did not see a fall in the  
18 number of people who were having nonfatal  
19 overdoses, as well as those who were having  
20 addiction.

21 And at the same time, you'll see the  
22 chart, the graph that demonstrates an increasing  
23 utilization of heroin as well as synthetic opioids.  
24 That's indisputable.

1           Q.    And that -- does that "use of prescription  
2           opioids" refer to use pursuant to a doctor or  
3           another prescriber's prescription, or does that  
4           refer to nonmedical use as well?

5           A.    It refers to the amount of volume of pills  
6           that were there. As they begin to dry up because  
7           of all the incremental steps and mechanisms that  
8           were put into place - so at the end of the day,  
9           it's all about volume - as the volume starts to  
10          decrease, the tap starts to turn off, we should see  
11          a proportional declines in addiction and overdose  
12          if it was a simple chart like that.

13                   And that's why I mentioned evolving  
14          crisis, because this crisis may have begun with the  
15          prescription opioids, but it certainly has  
16          continued to evolve.

17          Q.    And that evolution includes nonopioid such  
18          as methamphetamine, correct?

19          A.    It has been a recent phenomena, and it is a  
20          part of the evolution, and it is not only in Cabell  
21          County, Huntington or West Virginia. This is a  
22          national trend that we're seeing, yes.

23          Q.    Is it your testimony that the -- that users  
24          who use prescription opioids also transition to

1 methamphetamines because they used prescription  
2 opioids?

3 A. They can transition to methamphetamine.  
4 They can transition to heroin. They can transition  
5 to a lot of things. If you allow me, I would like  
6 to provide you a real life example.

7 I mentioned prior that I volunteer at a  
8 charity clinic. One of the patients that I saw was  
9 a 72-year-old grandmother, and this woman was on  
10 opioids, prescriptions, for her shingles for a long  
11 time.

12 And as we turned the policy and turned  
13 the corner, her physician refused to give her any  
14 further prescriptions for opioids. So as a result,  
15 she began to take heroin.

16 Now, when I talked to her - she's my  
17 patient - and I said, "Hey, can I help you? How  
18 can I help you?" Her response was, "Listen, I  
19 completely trust my drug dealer." This is what she  
20 said, she said, "I completely trust my drug dealer.  
21 Yet when I -- I don't do my drugs every day. But  
22 when I do, I do -- I take three syringes. I take  
23 the first, a small trial dose, to make sure I don't  
24 die.

1 I take a little bit of higher dose,  
2 inject, and if I'm still alive, then I take the  
3 full bolus." She's afraid because of the  
4 contamination with fentanyl, illicit fentanyl.  
5 She's taking heroin. And she has addiction, and  
6 she has other problems.

7 But when I offer her to get treatment,  
8 she doesn't want to go because she says, "I have my  
9 son that lives with me. He drops me here at the  
10 free clinic, but if I go to a mental health clinic,  
11 he's gonna wonder what's wrong with me."

12 So unfortunately, this is not a  
13 theoretical issue for me. This is a reality. I've  
14 seen these patients firsthand when they have  
15 transitioned from prescription opioids and the  
16 stigma and the suffering and the addiction that  
17 goes.

18 And it is not limited to this one group  
19 of people; it's an entire community that's being  
20 destroyed as a result of this in West Virginia.

21 Q. Right. And I'm just trying to understand  
22 the -- the transition that happened there, is that  
23 due to the desire to -- what you -- the phrase you  
24 used earlier, I believe, was "to get the monster

1 off your back." Is that -- the transition to  
2 another -- let me rephrase.

3 The transition to another drug, is that  
4 fueled by the disease of addiction, or is that  
5 fueled by the nature of the previous drug that was  
6 used?

7 A. It's primarily fueled by addiction. The  
8 person is now in the grips of a disease, which is  
9 substance use disorder, and they've got this  
10 disease because of diverted opioids, prescription  
11 medications, and now this addiction has gotten  
12 ahold of them and they need to find somewhat to  
13 continue to fuel the habit.

14 And it's really not a habit; it's a  
15 disease. And that's what drives them going on to a  
16 cheaper affordable street alternative, which causes  
17 - as I mentioned before - a whole set of different  
18 problems for us.

19 Q. And as far as what drug they transition to,  
20 it -- heroin is a cheap readily-available drug in  
21 West Virginia. Correct?

22 A. Yes. And to answer the question about  
23 transition, you know, we initially saw the people  
24 either would take suppressants like heroin or

1     opioids, or stimulants. But as this crisis has  
2     evolved, the distinction has become without a  
3     difference.

4                 So we now see combinations on the  
5     street that has combined stimulants and  
6     depressants. So there -- the fine line that  
7     existed between people who took meth as opposed to  
8     heroin has also been done away with.

9             Q.     So the fact that someone used prescription  
10    drugs and they needed to find another drug to fuel  
11    that addiction doesn't mean that they're more  
12    likely to use heroin over methamphetamine over a  
13    combination of the two or anything. Correct? Is  
14    that what -- is that the trend you're describing?

15            A.     That's the trend. That's the evolution,  
16    and unfortunately for a brain that has -- is  
17    suffering from addiction and has been hijacked,  
18    something is better than nothing. And nothing  
19    could spell lots of pain and eventually could be  
20    potentially fatal.

21                   MR. COLANTONIO: You okay?

22                   THE DEPONENT: I'm okay.

23             Q.     Sorry. I'm just reviewing a document.  
24    Have you ever looked at research that has



1 demonstrated a link between prescription opioids  
2 and illicit drugs like heroin?

3 A. Not recently.

4 Q. When -- the research that you have  
5 reviewed, do you know whether that research looked  
6 at users who had taken prescription opioids  
7 pursuant to a prescription?

8 MR. COLANTONIO: Object to the form.

9 A. So there's two -- the 2017 survey by  
10 SAMHSA, it surveyed about 1.1 million people in the  
11 country, and what they found was of the -- the  
12 inappropriate diverted opioids, about a third of  
13 those were actually prescribed by a physician; a  
14 little over half of the people got it from friends  
15 or family, which is all diversion; and the rest of  
16 it was anywhere between stealing, buying, you know,  
17 all of those aspects.

18 So that's at least what actual data  
19 shows.

20 Q. I guess what I'm asking, Doctor, is a  
21 little bit different. Focusing on the population  
22 of people who have used prescription drugs pursuant  
23 to a medically-necessary prescription that you  
24 would qualify -- that you would qualify as a

1 medically-necessary prescription, what percentage  
2 of those people end up being addicted? Do you  
3 know?

4 A. So if -- if somebody has cancer - I'm going  
5 to put that in real terms - at the end-of-life  
6 cancer and they're being given opioids for their  
7 long-term pain control and they have, let's say,  
8 six months to live because of terminal cancer, if  
9 you're asking what percentage of those people end  
10 up becoming addicted, I would answer first of all  
11 for that person, who cares?

12 It's the quality of life at the end of  
13 life that's important.

14 Second, I would say that there's -- you  
15 can -- if you are -- you can and you could have  
16 some addiction in a certain number of people, but  
17 that's the precise reason why you have to make sure  
18 the people who are legitimately receiving long-term  
19 opioids for pain control is the right group of  
20 people.

21 Because there could be people who might  
22 need opioids for 10, 15 or 20 years. But you want  
23 to keep them functional. If they end up developing  
24 addiction, then you have to deal with that.

1           So you know, I would say a certain  
2     percentage can happen, but I think we significantly  
3     lower that percentage if we actually follow  
4     appropriate prescribing for legitimate pain.

5           Q.     And assuming appropriate prescribing, for  
6     someone that's been -- for the population that has  
7     been appropriately prescribed opioids for long-term  
8     pain, do you know what percentage of that  
9     population ends up being addicted to prescription  
10    opioids?

11          A.     So first I'll say this: No certain way to  
12    know that what exact percentage will be. But it is  
13    possible for those people at certain percentage to  
14    be, but at this point right now off the top of my  
15    head, I couldn't tell you exactly what that  
16    percentage would be.

17          Q.     Is it correct that the vast majority of  
18    people who take prescription opioids do not become  
19    addicted to them?

20          A.     Not necessarily. And I like to say that  
21    because there's a lot of underdiagnosis oftentimes  
22    of addiction.

23                 So you know, it goes back to my  
24    previous answer. We just don't know that exactly.

1 But I think it would be -- it would not be accurate  
2 to say that the vast majority of people that are  
3 appropriately prescribed would never become  
4 addicted to those medications.

5 That's the --

6 Q. Are you aware --

7 A. Go ahead.

8 Q. No, I'm sorry, I didn't mean to cut you  
9 off.

10 A. I'm saying that's the previous position and  
11 presumption under which the bill of goods was sold  
12 in the early 2000s based on a, you know, two-or-  
13 three-sentence letter to the Editor, New England  
14 Journal of Medicine by Jane Porter, and that just  
15 has not panned out to be true.

16 Q. Are you aware, though, that research  
17 actually demonstrates that?

18 A. I'm not aware of that.

19 Q. Have you ever looked for research on this  
20 connection?

21 A. Yes.

22 Q. And what -- what research specifically have  
23 you reviewed?

24 A. Recently, I have not reviewed any

1 particular research. At the time, we did look at  
2 some of these, but I would not be able to tell you  
3 right now specifically which research I looked at.

4 Q. You testified about the chemical similarity  
5 between prescription opioids and heroin, correct?

6 A. Yes.

7 Q. And there's no chemical similarity between  
8 opioids and methamphetamine, correct?

9 A. There is no chemical similarity, that's  
10 correct.

11 Q. Earlier today, you testified that for every  
12 fatal overdose, there are 25 to 30 people who are  
13 using but are not overdosing. Correct?

14 A. I testified that for every fatal overdose,  
15 there's 25 to 30 nonfatal overdoses.

16 Q. I apologize. And where did you get that  
17 number?

18 A. From literature. I could not tell you  
19 exactly right now which particular study.

20 Q. You also said that for every fatal  
21 overdose, there are 200 to 300 people who are  
22 addicted. Correct?

23 A. (Nodded affirmatively).

24 Q. Where did you get that number?

1 A. From literature.

2 Q. Do you know what analyses that literature  
3 conducted to determine from fatal overdoses the  
4 numbers that were nonfatal overdoses?

5 A. I'm sorry, could you restate that, please?

6 Q. Sure. I know that you can't recall the  
7 exact name of the literature you reviewed or a  
8 particular study. Do you recall what methodology  
9 was used to determine that for every fatal  
10 overdose, there are 200 to 300 people who are  
11 addicted?

12 A. I don't recall. I'll be very happy to  
13 provide you the references for each of these  
14 statements. I will add in addition to that that  
15 this is no different than what we have seen in West  
16 Virginia.

17 So if you look at the visitation rates  
18 and one of the things that did happen as a  
19 consequence of some of the legislation is there's a  
20 dashboard that has been developed that actually  
21 keeps tab in West Virginia of the overdoses coming  
22 to the emergency room.

23 What we're seeing in real life  
24 experience is very consistent with what we're

1 seeing in literature and my research. But we're  
2 happy to provide you both of those as needed and  
3 when needed.

4 Q. I would appreciate that.

5 UNIDENTIFIED MALE: Hello.

6 MS. JINDAL: Yes? I'm sorry, I  
7 thought someone was trying to say something.

8 Q. Doctor, why don't we take a ten-minute  
9 break and then we'll reconvene. Thank you.

10 MR. RUBY: Hey, Adam, real quick  
11 before we get off the record and before we break,  
12 just in the interest of not spending another hour  
13 pulling teeth on this: Mark, I just wanted to make  
14 sure we've got clarity on the nature of Doctor  
15 Gupta's engagement with your firm.

16 Can we just stipulate among counsel  
17 that the subject matter of Doctor Gupta's paid  
18 expert work for your firm is the opioid problem in  
19 West Virginia and move on from that?

20 MR. COLANTONIO: Well, it's more  
21 compli -- I don't think that says it. But --  
22 that's not -- that's not what happened. We talked  
23 about this. You and I talked about this before the  
24 deposition.

1 I mean, I -- we retained him in the MLP  
2 and --

3 MR. FITZSIMMONS: We're still on the  
4 record.

5 MR. COLANTONIO: Are we on the record?

6 MR. RUBY: Yeah.

7 MR. COLANTONIO: We'll go off the  
8 record and talk about it.

9 MR. RUBY: No, no, I want to -- it's  
10 fine. We're going to have to keep going at this on  
11 the record.

12 MR. COLANTONIO: We can't agree to  
13 that stipulation. I don't think we can agree to  
14 that stipulation. The way you said it, Steve, I  
15 don't think we can agree to it.

16 MR. RUBY: I just -- I would like to  
17 get on the record and we can either stipulate it --

18 MR. COLANTONIO: Okay. So what do you  
19 want put on the record? You want something -- us  
20 to again tell you what his retaining arrangement  
21 is with us?

22 MR. RUBY: What's the subject matter  
23 of his engagement?

24 MR. COLANTONIO: Which engagement?



1 MR. RUBY: His engagement with your  
2 firm.

3 MR. COLANTONIO: Okay. So we have --  
4 we have engaged him as a consulting expert in the  
5 MLP litigation. Now, as far as the subject matter,  
6 I'm not sure that's something -- I mean, he was  
7 retained initially to talk about abatement.

8 MR. RUBY: Uh-huh.

9 MR. COLANTONIO: That's it. That's  
10 it. We've not discussed with him in that case  
11 anything else but abatement.

12 And then this subpoena came up, and --

13 MR. FITZSIMMONS: Those subpoenas  
14 aren't designated.

15 MR. COLANTONIO: No, they're not  
16 designated. They're not. That was the scope of  
17 his retention at that time, and eventually, when  
18 you get into the deposition in that case, you'll  
19 find that out.

20 The scope of his retention was just to  
21 talk about abatement, and then the subpoena came  
22 up. He retained us as counsel, and we're here.  
23 That's the truth.

24 MR. RUBY: And has the scope of his --

1 his work in the -- in the other case expanded  
2 beyond abatement?

3 MR. COLANTONIO: I can tell you that  
4 -- here's -- I think I told you this before the  
5 deposition. I know we had this conversation a  
6 while back.

7 But what I told you, I think, was that  
8 since he retained us as counsel in this -- with  
9 respect to this deposition, we have not had any  
10 discussions about the MLP case. All our  
11 discussions have been about this retention, this  
12 deposition.

13 And at that time, it was only  
14 abatement. That's all it was. And he --

15 MS. KEARSE: And Steve, on behalf of  
16 -- you know, we also have clients in the MLP, and  
17 we have not disclosed expert witnesses, obviously,  
18 and are just working through that, and I can  
19 represent we have not had any discussions at all  
20 with Doctor Gupta about retaining him as --

21 MR. COLANTONIO: It was only because  
22 we had a mediation, so we -- that's -- that's where  
23 that came about.

24 MR. RUBY: And I hope, at least, that

1 you all can understand why we want to understand --

2 MR. COLANTONIO: I get it. I  
3 understand. I'm trying to explain it. But that's  
4 -- what happened is: We retained him sometime ago  
5 - and I forget when it was; I don't remember -- it  
6 was a while ago - in the MLP to talk about  
7 abatement. That was what we talked about, was  
8 abatement.

9 And in that -- in that retention -- and  
10 we never had -- I mean, I'm not gonna get into --

11 MR. FITZSIMMONS: Quit talking about  
12 it.

13 MR. COLANTONIO: It was about  
14 abatement and that's it, and we haven't talked  
15 about it since -- and that -- we haven't talked  
16 about that case since he retained us in this case  
17 about this deposition. That's it.

18 MR. RUBY: Okay. I mean, look, it's  
19 an unusual arrangement to have counsel for a party  
20 paying an expert in one of a set of parallel cases  
21 and taking the position that he is a lay expert in  
22 another closely-related parallel case. That's why  
23 I wanted to make sure --

24 MR. COLANTONIO: Yeah, and I --

1 MS. KEARSE: This is Anne. I'm not  
2 going to agree with your characterization about  
3 that, but we can talk about it later.

4 MR. COLANTONIO: Yeah. I don't know  
5 how unusual it is. I'm -- it is what it is. But  
6 -- so there you have it.

7 MR. RUBY: Okay.

8 MR. COLANTONIO: Okay.

9 VIDEO OPERATOR: We can go off the  
10 record? Okay. Going off the record. The time is  
11 4:45 p.m.

12 (A recess was taken after which the  
13 proceedings continued as follows:)

14 VIDEO OPERATOR: Now begins Media Unit  
15 8 in the deposition of Rahul Gupta, M.D. We are  
16 back on the record. The time is 5:02 p.m.

17 BY MS. JINDAL:

18 Q. We've talked today about diversion of  
19 prescription opioids. What do you qualify as  
20 diversion?

21 A. So diversion would be any medications that  
22 are being used without being properly prescribed  
23 and properly indicated. So that would be -- and  
24 they are unintended for the user.

1                   So any medications that are not being  
2           used by the prescribe -- the patient who has been  
3           prescribed those medications.

4           Q.     And if someone were --

5           A.     Go ahead.

6           Q.     I'm sorry. Did I cut you off?

7           A.     No.

8           Q.     Someone who obtains and uses prescription  
9           opioids that weren't prescribed to them, is that an  
10          illegal act?

11          A.     Illegal act in the sense that do people get  
12          jail for that? I'm not sure I know a lot of people  
13          that have been jailed in West Virginia because they  
14          took their grandma's pain pill.

15          Q.     Right. But the purpose of the -- the  
16          purpose of state laws and federal laws regulating  
17          the supply of distribution is to ensure that people  
18          who are not prescribed prescription opioids do not  
19          obtain them. Correct?

20          A.     I think the purpose of -- for myself being  
21          a licensed DEA to be able to prescribe, the  
22          distributors being registrants, the pharmacy being  
23          registrants, is for the primary purpose of ensuring  
24          that we are - all of us - are responsible and

1 accountable for our actions.

2 I think by calling it -- laying the  
3 blame and the responsibility on the public is the  
4 upside down way of looking at things.

5 Q. If someone is in possession of prescription  
6 opioids that were not prescribed to them, can they  
7 be arrested for that?

8 A. Sure. People can be arrested for  
9 jaywalking. I mean, I -- I go back and I will  
10 reassert that I think that is the upside down way  
11 of looking at it, that let's go start arresting  
12 people.

13 I'm not aware of in Kanawha County or  
14 Cabell County or any other county that a single  
15 elected prosecutor went ahead and arrested people  
16 for using -- including children, for using somebody  
17 else's prescription drugs. But I'm not a lawyer.

18 Q. Okay. So setting aside whether they should  
19 or should not be arrested, is it against the law to  
20 possess prescription opioids that were not  
21 prescribed to you?

22 A. I would guess so. I'm -- again, I'm not a  
23 prosecutor or a lawyer; I'm a physician.

24 Q. Someone who takes a prescription opioid

1 from a family member's medicine cabinet, is that  
2 diversion?

3 A. Yes, someone who is not prescribed the --  
4 that particular prescription or that particular  
5 medication and then accesses -- someone accesses  
6 that, of course, that would be part of that  
7 diversion.

8 Q. And can someone be arrested for doing that?

9 A. Again, I couldn't tell you that, because  
10 again, I'm not -- neither a prosecutor nor a  
11 lawyer.

12 I tell my patients, when I would write  
13 for them -- I would make sure my prescriptions are  
14 prescribing appropriate, for legitimate pain, and I  
15 would tell them to store it and just sufficient  
16 quantities to relieve them.

17 Now, what happens after that or who's  
18 legally responsible, that's something after --  
19 that's up to law enforcement and prosecutors.

20 Q. Do wholesale distributors have control over  
21 an individual's medicine cabinet?

22 MR. COLANTONIO: Object to the form.

23 A. Wholesale distributors do not have the  
24 physical control over people's medicine cabinets,

1 no.

2 Q. Doctor Gupta, could you turn to Exhibit 5?

3 GUPTA DEPOSITION EXHIBIT NO. 5

4 (E-mail from Massey to Kilkenney Re:  
5 MMWR dated 5-27-17 with "Public Health  
6 Investigation of an Opioid Overdose  
7 Outbreak - West Virginia, August 2016"  
8 attached was marked for identification  
9 purposes as Gupta Deposition Exhibit  
10 No. 5.)

11 A. I have it.

12 Q. The first page is a cover e-mail from  
13 Doctor Kilkenney, correct?

14 A. It's from Doctor Massey to Doctor Kilkenney.

15 Q. I'm sorry. You're right. I'll like you to  
16 turn to the next page.

17 A. Okay.

18 Q. Are you familiar with this document?

19 A. It's been a while, so it seems like one of  
20 the manuscripts that would have been submitted as a  
21 result of the outbreak in Cabell County, yes.

22 Q. And the first page, that e-mail that you  
23 were just looking at, does that refresh your memory  
24 at all about what the attachment is?



1 A. Yes.

2 Q. And are you one of the authors of the  
3 attachment?

4 A. Yes. My memory is to the point that I  
5 could see this to the extent that I see myself as  
6 author at the time.

7 Q. And does this report gather various data  
8 and -- together to study the 20 opioid overdoses in  
9 Huntington in August 2016?

10 A. It's more than three years old. I'd really  
11 have to go through it to understand it and review  
12 it.

13 Q. Sure. Just looking at that first page --  
14 and I'll just help direct you for your review to  
15 Bates stamp 8533. That first paragraph reads, "On"  
16 August 20 -- "August 15, 2016, the Mayor's Office  
17 of Drug Control Policy in Huntington, West Virginia  
18 notified the Cabell-Huntington Health Department  
19 (CHHD), that several calls regarding opioid  
20 overdose had been received by the Emergency Medical  
21 System (EMS) during 3:00 p.m." to "8:00 p.m. that  
22 day. A public health investigation and response  
23 conducted by the West Virginia Bureau of Public  
24 Health (BPH) and CHHD identified 20 opiate overdose

1 cases within a 53 hour period in Cabell County,  
2 West Virginia; all cases included emergency  
3 department (ED) encounters."

4 Did I read that correctly?

5 A. Yes.

6 Q. And it goes on. "Concurrent" -- sorry. In  
7 the next paragraph, does this essentially describe  
8 -- does this refresh your recollection that this  
9 document describes the public health investigation  
10 that occurred with respect to this opioid overdose  
11 outbreak in Cabell County in 2016?

12 MS. KEARSE: Counsel, this is Anne  
13 Kearse, and I just -- this appears to be a draft.  
14 I just wanted to put that on the record there. I  
15 don't think it's a final document that you're using  
16 or going to show, but it's a just a draft of a  
17 report. So I just wanted to say that for the  
18 record.

19 A. Yeah, I am unable to at this point  
20 recollect the accuracy of the report, and when I  
21 look at this Page No. 1, it talks about several of  
22 the medical reviewers have made revisions and  
23 comments.

24 I do not see comments here attached.

1 So -- I also do not see a final MMWR publication  
2 that would have probably alluded to the actual  
3 report rather than just a, you know, undone  
4 preliminary manuscript that I have in front of me.

5 I don't know for what reason that would  
6 not be available, but without -- without any  
7 certainty, I'm -- unless I read the whole, it would  
8 be difficult for me to talk about one of the  
9 versions of the manuscript.

10 Because sometimes manuscripts do go  
11 through several versions and final version is very  
12 different than the initial version. So I don't --  
13 I don't want to misstate any -- any statements  
14 here.

15 Q. I appreciate that, Doctor. I will  
16 represent for the record that this is how it was  
17 produced to us, so whether or not it's written  
18 comments, that's how it was produced.

19 And I will also note that the cover  
20 e-mail says it's a clean copy that is attached.

21 MS. KEARSE: This didn't come from  
22 Doctor Gupta's files. I'm just noting that.

23 MR. FITZSIMMONS: There's no question  
24 pending.

1 MR. COLANTONIO: Do you have a  
2 question?

3 Q. Setting aside the report, do you recall the  
4 2016 outbreak in Cabell County?

5 A. Only remotely at this point.

6 Q. Do you recall commissioning an analysis of  
7 the -- of that outbreak?

8 A. Yes.

9 Q. Could you please turn to Exhibit 4?

10 GUPTA DEPOSITION EXHIBIT NO. 4

11 (E-mail from Haddy to Haddy and others  
12 Re: WV HAN #128 Novel Opiates dated  
13 12-13-16 with "Health Advisory #128  
14 Novel Opiates" attached was marked for  
15 identification purposes as Gupta  
16 Deposition Exhibit No. 4.)

17 A. I have it.

18 Q. All right. I apologize. My computer's  
19 taking a second here. Is this -- I'm not sure if  
20 the cover e-mail is familiar to you, but the  
21 attachment, the second page, is titled a health --  
22 public "Health Advisory Number 128." Do you see  
23 that?

24 A. Yes.

1 Q. And this advisory is dated from October of  
2 2016, correct?

3 A. It's dated December of -- 13, 2016.

4 Q. I apologize. I'm still waiting for it to  
5 load. December 13, 2016. I'm going to read from  
6 -- is this -- are you listed as an author of that  
7 health advisory?

8 A. Yes, the health advisories would normally  
9 go out from the Commissioner, State Health Officer,  
10 as a -- that the standard.

11 Q. And this health advisory is titled "Novel  
12 Opiates"?

13 A. I see that.

14 Q. And this is something that you would have  
15 distributed "TO COMMUNITY HEALTH PROVIDERS,  
16 HOSPITAL-BASED PHYSICIANS, INFECTION CONTROL  
17 PREVENTIONISTS, LABORATORY DIRECTORS, AND OTHER  
18 APPLICABLE PARTNERS"?

19 A. Yes.

20 Q. And you also directed that it be  
21 distributed "TO ASSOCIATION MEMBERS, STAFF, ETC."?

22 A. Yes.

23 Q. Which association members and staff did you  
24 mean?

1           A.     Local health department associations and  
2     staff.

3           Q.     That first sentence says, "The West  
4     Virginia DHHR/"Bureau of Public Health - "Office of  
5     the Chief Medical Examiner (OCME) has detected  
6     analog fentanyl that are contributing to overdose  
7     deaths in West Virginia."

8                     Did I read that correctly?

9           A.     Yes.

10          Q.     Any reason to dispute the accuracy of that  
11     statement?

12          A.     Not that I know, at that time.

13          Q.     The next is "Multiple derivatives of  
14     fentanyl are being detected in toxicology results  
15     in West Virginia, as well as other states." Did I  
16     read that correctly?

17          A.     Yes.

18          Q.     And is there any reason to dispute that  
19     statement?

20          A.     At the time, there would not be to my  
21     understanding.

22          Q.     I'm sorry. Do you mean that you don't have  
23     a reason to dispute it now, or you don't have a --  
24     you didn't have a reason to dispute it then when it

1 was written?

2 A. I would not have a reason to dispute it now  
3 as of the events that were happening then.

4 Q. Describe -- it goes on to describe a prior  
5 health advisory that you issued, Health Advisory  
6 #126, titled "Carfentanil responsible for West  
7 Virginia overdose deaths."

8 Correct?

9 A. I see that written here.

10 Q. The next paragraph says that "The presence  
11 of novel opioids in the illicit drug market cause  
12 concern for increasing overdose death, even among  
13 opioid-toleranced users. Now, seven other analogs,  
14 such as U-47700 (Pink or Pinky), Acetyl fentanyl,  
15 Furanyl fentanyl, para-Fluoro(iso)butyrnl fentanyl,  
16 Acryl fentanyl, and 3-Methyl fentanyl, in addition  
17 to Carfentanil, are being detected in toxicology  
18 results and linked to overdose deaths. Emergency  
19 departments visits for heroin overdoes with suspect  
20 fentanyl laced analogs are an alarming new trend."

21 Is that correct?

22 A. That's appropriate statement.

23 Q. And you have no reason to dispute that  
24 statement today?

1           A.    I have no reason to dispute it today for  
2    what it said at the time.

3           Q.    The next statement says "The preliminary  
4    number of drug overdose" "in West Virginia reported  
5    as of December 8th, 2016 totaled 624."   Correct?

6           A.    You missed the "deaths" part in there, but  
7    --

8           Q.    I'm sorry.   Overdose deaths.   Did you ever  
9    quantify the number of those deaths that were  
10   attributed to fentanyl or a fentanyl analog?

11          A.    I cannot recollect at this time with this  
12   information that I have in my hands.

13          Q.    Could you please turn to Exhibit 17?

14          A.    Okay.

15                GUPTA DEPOSITION EXHIBIT NOS. 16 and 17

16                   (E-mail from Christy to Wagoner and  
17                   others Re: GUPTA DATA NEEDS UPDATED -  
18                   Social Worker Conference (next week)  
19                   dated 4-21-17 (DHHR\_FEDWV\_0047102) and  
20                   "West Virginia's Contemporary Public  
21                   Health Challenge: Drug Overdose  
22                   Deaths" by Gupta dated 4-29-17 were  
23                   marked for identification purposes as  
24                   Gupta Deposition Exhibit Nos. 16 and



1 17.)

2 Q. And if you'd also look at Exhibit 16.

3 And I'll represent, Doctor, that  
4 Exhibit 16 -- I'm sorry, 15, was produced as -- no,  
5 I apologize. I got that backwards.

6 Exhibit 14 is the cover e-mail to  
7 Exhibit 15.

8 MR. COLANTONIO: Would you like him to  
9 --

10 MS. JINDAL: So we're looking at  
11 Exhibit 17 and Exhibit 16, sorry.

12 Q. Yes, Exhibit 16 is a cover e-mail to  
13 Exhibit 17. I apologize. It gets a little bit  
14 more confusing with the native PowerPoints.

15 MR. COLANTONIO: Okay. So he's  
16 looking at 16 and 17, is what you want him to do  
17 now, right?

18 MS. JINDAL: Yes. And 16 is the cover  
19 e-mail for Exhibit 17.

20 MR. COLANTONIO: Okay, he's got those.

21 A. I have it.

22 Q. And Doctor Gupta, is Exhibit 16, does that  
23 reflect a conversation among your staff concerning  
24 your request for a presentation?

1           A.    Yes, Exhibit 16 reflects that my staff were  
2   providing me with slides and PowerPointing those  
3   slides for me to present at a presentation, at a  
4   conference.

5           Q.    And if you could turn to Slide 35.

6           A.    I have it.

7           Q.    And Slide 35, is that -- is that a graph  
8   document the presence of various drugs in overdose  
9   deaths from 2001 to 2016 in West Virginia?

10          A.    Slide 35 is a trend analysis looking at  
11   five prescription drugs of which most of the fifth  
12   ones is fentanyl that is illicit and  
13   nonprescriptions and it's comparing a trend of very  
14   select group of opioids from 2001 to 2016.

15          Q.    Okay. And with respect to that fentanyl  
16   line, do you see that the increase for fentanyl has  
17   gone up from just over 50 in 2014 to somewhere  
18   between 150 and 200 in 2015 and well over 350 in  
19   2016?

20          A.    Yes, that's consistent with my testimony  
21   that in 2015, 2014, is the time I was starting to  
22   see a transition happen from exclusively opioid --  
23   or majority opioid prescriptions to street drugs.

24          Q.    And it's written here that the vast

1 majority -- on the slide, that the "Vast majority  
2 of fentanyl deaths are believed to be illicit."

3 Did I read that correctly?

4 A. Yes.

5 Q. And these graphs reflect the number of  
6 deaths involving this particular drug, correct?

7 A. Correct.

8 Q. So just to be clear, there could be overlap  
9 in these deaths in the sense that some of these  
10 deaths could have involved both fentanyl and  
11 oxycodone, for example?

12 A. Correct. And this is 2016 preliminary  
13 data, just to make a point.

14 Q. Yes. The previous slide, Slide 34, looks  
15 at major selected drugs, correct?

16 A. It does look for overdose deaths in West  
17 Virginia for the same period of time for certain  
18 selected group of drugs.

19 Q. And the title supplied is "Trend Analysis -  
20 Major Selected Drugs," correct?

21 A. Correct.

22 Q. And this one also documents the right --  
23 this one also documents heroin, correct?

24 A. Yes.

1 Q. And is there a general trend in the  
2 increase in heroin?

3 A. Yes, the general trend and declines in  
4 oxycodone and hydrocodone with a heroin increase  
5 trends in heroin exists.

6 Q. And it may be a little hard to see, but do  
7 you also see the line for cocaine?

8 A. I'm --

9 Q. A --

10 A. I think I found it.

11 Q. And does it also show that cocaine -- there  
12 have been deaths involving cocaine as going as far  
13 back as 2001?

14 A. I can try to follow the line of cocaine to  
15 2001. Yes.

16 Q. And does that line show a general increase  
17 in about 2014?

18 A. I believe it does.

19 Q. So since 2014, the incidence of heroin --  
20 I'm sorry, cocaine in overdose deaths has grown in  
21 West Virginia, correct?

22 A. I would say along with other substances in  
23 this chart, cocaine use also went up. Deaths from  
24 cocaine.

1 Q. Does the -- could you please turn to  
2 Exhibit 15? And then also Exhibit 14?

3 MR. COLANTONIO: 14 and -- I'm sorry,  
4 14 and 15?

5 MS. JINDAL: Yes, please.

6 GUPTA DEPOSITION EXHIBIT NOS. 14 and 15

7 (E-mail from Gupta to Mock and Taylor  
8 Re: Presentation dated 4-4-17 and  
9 E-mail from Richman to Boggs Re: April  
10 4th - MCMS dated 3-29-17  
11 (DHHR\_FEDWV\_0038760) and "2017  
12 Legislation and Substance Use Disorder  
13 Epidemic: West Virginia's Call to  
14 Action" by Gupta dated 4-4-17  
15 (DHHR\_FEDWV\_0038761) was marked for  
16 identification purposes as Gupta  
17 Deposition Exhibit Nos. 14 and 15.)

18 MR. GOOLD: What's the time with the  
19 court reporter on the deposition and what time did  
20 Mark take?

21 This is Jim Goold. I'm going to have  
22 about ten or fifteen minutes that I'm going to be  
23 happy to start when I can.

24 What's the time with the court

1 reporter on the time because --

2 VIDEO OPERATOR: This is the  
3 videographer. Give me one moment and I can give  
4 you a total time.

5 MR. GOOLD: Okay, good. Thank you.

6 Q. Doctor, I would like you to look at Exhibit  
7 14, which is the cover e-mail to which Exhibit 15  
8 is attached. Is Exhibit 14 a cover e-mail to you  
9 from Allen Mock?

10 A. Yes.

11 Q. And Mr. Mock is the -- the chief medical  
12 examiner for West Virginia, correct?

13 A. Doctor Mock is the Chief Medical Examiner  
14 of West Virginia, yes.

15 Q. Doctor Mock, I apologize. The PowerPoint  
16 that you've attached is titled "2017 Legislation  
17 and Substance Use Disorder Epidemic: West  
18 Virginia's Call to Action." Correct?

19 A. Yes.

20 Q. And you authored this presentation?

21 A. As you've seen in the previous exhibits, I  
22 often do not personally author presentations as the  
23 Commissioner. I had staff that does that.

24 Q. Did you commission this presentation?

1           A.    I do not recollect at this time.  However,  
2   I was requested -- the request was made for the  
3   Commissioner to provide a presentation and  
4   generally I would commission the development of  
5   such a presentation and then appropriate -- myself,  
6   with the appropriate staff availability to do the  
7   presentation.

8                   VIDEO OPERATOR:  This is the  
9   videographer.  We've been on the record for about 6  
10  hours, 45 minutes total.

11                  MR. COLANTONIO:  Okay.

12                  MR. GOOLD:  Did you take out  
13  Mr. Colantonio's examination in that?

14                  VIDEO OPERATOR:  I did not.  That's  
15  just the total time.

16           Q.    And Doctor, if you could turn to Slide 26  
17  of this presentation.  I'm sorry, Slide 27.

18           A.    Okay.  I have it.

19           Q.    And I apologize.  It's the nature of  
20  working on a computer.  I was looking at my PDF  
21  number versus the number in the lower right-hand  
22  corner.  I do mean Slide 26 as indicated by the  
23  number in the lower right-hand corner of the  
24  presentation, so the slide that is titled, in

1 quotes, "The Heroin Landscape."

2 Do you see that?

3 A. Yes.

4 Q. And it's written here, "Heroin use is part  
5 of a larger substance abuse problem." Correct?

6 A. Yes.

7 Q. Do you still agree with that statement?

8 A. I would agree with that statement as it's  
9 stated here.

10 Q. And you've written here that nearly all  
11 people who use heroin also use at least 1 other  
12 drug. Most use at least 3 other drugs." Correct?

13 A. That would be correct at the time this was  
14 done.

15 Q. Do you have any reason to believe it's not  
16 correct now?

17 A. I don't have the most current statistics to  
18 be able to say whether this is or this is not  
19 correct at this time.

20 Q. And you've also written here that "People  
21 who are addicted to ... Alcohol are 2" times "...  
22 more likely to be addicted to heroin." Correct?

23 A. Yes.

24 Q. And "People who are addicted to...



1 Marijuana are 3" times "...more likely to be  
2 addicted to heroin."

3 A. Correct.

4 Q. And "People who are addicted to...Cocaine  
5 are 15" times "...more likely to be addicted to  
6 heroin."

7 A. That's what it says.

8 Q. And "People who are addicted to...  
9 Prescription opioid painkillers are 40" times  
10 "...more likely to be addicted to heroin."  
11 Correct?

12 A. That's what it says.

13 Q. And this doesn't define a causal  
14 relationship between one drug and another drug,  
15 correct?

16 A. This is a very strong correlation, not  
17 causal.

18 MR. COLANTONIO: Let me just object to  
19 the form of the question, as it's calling for a  
20 legal --

21 Q. Doctor, could you please turn to Exhibit  
22 45?

23 GUPTA DEPOSITION EXHIBIT NO. 45

24 (E-mail from Dora to Gupta and others

1 Re: 2018.07.05 Final packet mailed to  
2 Judges re MAT dated 7-5-18  
3 (DHHR\_FEDWV\_1148108-126) was marked  
4 for identification purposes as Gupta  
5 Deposition Exhibit No. 45.)

6 A. I have it.

7 Q. And this first page reflects an e-mail to  
8 you from -- from a Dora; is that right?

9 A. I can't see on the top who the e-mail is  
10 from. I can only see one single name, Dora. I do  
11 not recognize that name right away.

12 Q. This e-mail's addressed to you as well as  
13 secretary Bill Crouch of the DHHR, correct?

14 A. That's what it seems like.

15 Q. Do you have any reason to doubt that this  
16 e-mail is not what it is?

17 A. I just don't know Dora. I mean, I don't  
18 know who Dora is.

19 Q. Sure. Do you have any reason to doubt that  
20 this was not an e-mail sent to you on Thursday,  
21 July 5th, 2018?

22 A. I'll take it as it is.

23 Q. If you could turn to the second page, this  
24 is ending -- this is Bates stamped

1 DHHR\_FEDWV\_1148109. Does this reflect a letter  
2 from the West Virginia Department of Health and  
3 Human Resources to the Honorable Anita Ashley, a  
4 judge in West Virginia?

5 A. It does seem to reflect as you stated.

6 Q. And does this reflect -- this attachment in  
7 total reflect a packet of information that was sent  
8 to a judge regarding medication-assisted treatment?

9 A. I would have to review the attachments to  
10 the packet or to review -- just a second.

11 Upon a cursory review, it looks to me  
12 like there's a letter to one judge in the front.  
13 There seems to be an anonymous kind of "Your Honor"  
14 letter from Secretary Crouch, and then I see a  
15 letter to another judge from a different county.

16 So I'm not sure if this is all part of  
17 the same packet. It does seem to be going to  
18 different places, the packet, including anonymous  
19 people.

20 Q. Okay. Just focusing on that first letter,  
21 the one that's ending in Bates stamp 8109, do you  
22 see the part where it says, "Enclosed with this  
23 communication are the following documents"?

24 A. I see that here.

1 Q. Okay. And the first describes -- that  
2 first bullet describes "A letter from Bill J.  
3 Crouch, DHHR Cabinet Secretary, directed to  
4 Attendees of the Spring Circuit Judges Training  
5 conducted May 2nd, 2018 in Morgantown, West  
6 Virginia."

7 Did I read that correctly?

8 A. I believe you did.

9 Q. And the second bullet reflects "A letter  
10 from Dr. Rahul Gupta, State Health Officer from  
11 West Virginia DHHR Bureau of Public Health; and,  
12 co-written with Doctor James Becker, DHHR Bureau of  
13 Medical Services." Did I read that correctly?

14 A. Yes.

15 Q. Does that refresh your recollection about  
16 what the second document is, the second letter?

17 A. My recollection is that that letter is not  
18 to Judge Ashley; that's to Judge Tatterson here  
19 that I see here, so I cannot verify the accuracy of  
20 this packet.

21 Q. You're saying that you doubt that the -- I  
22 guess what I'm saying is: The letter to Judge  
23 Ashley describes communications that are being sent  
24 to her, correct?

1           A.     The first bullet looks to me a letter from  
2     Bill J. Crouch, Cabinet Secretary, presented to the  
3     Spring Circuit Judges Training conducted May 2nd,  
4     2018 in Morgantown, West Virginia.

5                     I do not see that. All I see is a  
6     letter -- the next document is a letter dated May  
7     1st, not May 2nd. So I'm confused as to where that  
8     letter to the packet is.

9           Q.     Okay. Well, I'll represent that this is  
10    how the attachment was produced as part of this  
11    e-mail and there have been no alterations made to  
12    this attachment by us. So if there were any typos  
13    in this document, you know, I can't be -- I'm just  
14    trying to tell you that I didn't create the typos  
15    in this document.

16                    I didn't create this document period.  
17    This is how it was produced to us, and this is how  
18    I'm presenting it to you.

19           A.     I'll take your word for it.

20           Q.     Okay, thank you. I just want you to see  
21    that -- the final bullet here is a white paper  
22    entitled "Medication-assisted treatment-An  
23    Evidence-based Pathway to Recovery in West  
24    Virginia."

1 Do you see that?

2 A. Yes.

3 Q. Okay. Could you please turn to the --  
4 sorry. I've got to find the page myself. It ends  
5 with Bates stamp 8119?

6 A. Yes.

7 Q. Okay. It's about halfway in the  
8 presentation. And do you see that it's titled  
9 "Medication Assisted Treatment"?

10 A. I do.

11 Q. And the subtitle is "An evidence-based  
12 pathway to recovery in West Virginia."

13 A. I do see that.

14 Q. And it's published on the West Virginia  
15 Department of Health and Human Resources -- it's  
16 letterhead -- it's got the stamp right there in the  
17 upper left-hand corner, correct?

18 A. I see that is submitted by a Rebecca Roth,  
19 the Office Director of Policy, Research, Planning  
20 and Compliance at the Bureau of --

21 Q. And the date of --

22 A. -- Behavioral Health and Health Facilities.

23 Q. And the date of this document is May 20,  
24 '18, correct?

1 A. That's what it seems like.

2 Q. Could you please turn to the -- I believe  
3 it's the fourth page of this document, is Bates  
4 stamped 8123.

5 A. Yes.

6 Q. I'm going to read from the third paragraph  
7 down under the heading "POLYSUBSTANCE USE AND MAT."  
8 "In 2016" -- do you see where it says that?

9 A. I see that.

10 Q. It says, "In 2016, preliminary data  
11 indicated that heroin-related and fentanyl-related  
12 overdose deaths increased dramatically since 2014."  
13 And it's cited as West Virginia Health Statistics  
14 Center, Vital Statistics System.

15 It goes on to say, "Stimulant overdoses  
16 are also on the rise; amphetamine or  
17 methamphetamine-related, as well as cocaine-related  
18 overdoses deaths increased significantly between  
19 2004 and 2016."

20 Did I read that correctly?

21 A. Yes.

22 Q. Do you have any reason to dispute the  
23 accuracy of those statements?

24 A. I wouldn't, but I would want to review the

1 full report before I would make a statement,  
2 because I don't know what the rest of the report is  
3 about since I can't remember/recall that and it was  
4 not authored by myself.

5 Q. Do these statistics reflect the ones we  
6 just looked at in the graph from your presentation?

7 A. That would be accurate.

8 Q. I'm going to turn to the next paragraph,  
9 the one beginning "The focus on opioids." Do you  
10 see that?

11 A. Yes.

12 Q. "The focus on opioids does not in any way  
13 diminish the need to address other substance use  
14 disorders or mental health disorders nationally or  
15 in West Virginia. Prevalence of alcohol use  
16 disorders (AUDs) has increased dramatically over  
17 the last decade in multiple populations subgroups:  
18 Women (83.7% increase); African-Americans (92.8%);  
19 age 45-64 (81.5% increase); and age 65" plus  
20 (106.7% increase); only high school education  
21 (57.8% increase); individuals with incomes less  
22 than \$20,000 (65.9% increase)."

23 Did I read that correctly?

24 A. I think so.



1 Q. Do you have any reason to doubt the  
2 accuracy of those statistics?

3 A. It's been quite awhile, so I -- I would  
4 have to believe these statistics. I have not  
5 myself verified any of these statistics, at least  
6 recently.

7 Q. It goes on to say that "More than 1 in 4  
8 (26.3%) of WV women reported smoking during  
9 pregnancy, double the national rate of 13%, and 60%  
10 of births in WV are to mothers with Medicaid. More  
11 than 4,000 births in WV are to mothers with  
12 substance use disorders. Cannabis is the most  
13 commonly used drug among pregnant women, at 11.63%  
14 of pregnant mothers, and leads to 2.3 times greater  
15 risk of still birth as well as poor cognitive  
16 functioning."

17 Did I read that correctly?

18 A. Yes.

19 Q. And do you have any reason to doubt the  
20 accuracy of this -- these statistics?

21 A. At the time that was written, I -- I just  
22 -- I have not done the verification of research  
23 around this, but I would take it as for what it  
24 states here at the time.

1 Q. Could you turn back to Exhibit 38?

2 And again, this is your testimony in  
3 front of the House Committee, correct?

4 A. I have it, yes.

5 Q. And this testimony is dated May 2018?

6 A. It's actually May 17th, 2018.

7 Q. Thank you. Could you please turn to page 5  
8 of this testimony? The last four numbers of the  
9 Bates stamp are 1634.

10 A. Okay.

11 Q. I'm going to read from the second full  
12 paragraph down. It says, "As the committee" -- do  
13 you see that?

14 A. I see that.

15 Q. "As the Committee considers evidence-based  
16 approaches to the opioid crisis specifically, I  
17 strongly urge you to refrain from a narrow focus  
18 on," in quotes, "'opioids.'" While the opioid  
19 epidemic is a crisis of the moment, in many states  
20 other drugs such as methamphetamine, cocaine, and  
21 benzodiazepines, often in combination with opioids,  
22 are the emerging predominant causes of substance  
23 abuse and misuse among some populations. This is  
24 in addition to the long-standing challenge of

1 alcohol misuse and addiction."

2 Did I read that correctly?

3 A. Yes.

4 Q. And is your testimony today consistent with  
5 the statistics that we saw in the white paper that  
6 we just reviewed?

7 MR. COLANTONIO: Object to form.

8 A. I think without any context whatsoever, I  
9 cannot agree to it being consistent.

10 Q. What greater context do you need, Doctor?

11 A. I think you read me out of a paragraph from  
12 one document and another paragraph of another  
13 document and you're piecing together a theory  
14 without providing any additional content or having  
15 me the opportunity to actually address the context  
16 of the previous document or this document.

17 Q. Doctor, if you would like to go through the  
18 white paper in greater detail, you're welcome to.  
19 I -- there are sources listed at the back of that  
20 document. And I just -- you know, this is your  
21 testimony. I'm just trying to make sure -- make  
22 sense of what you testified and why you might have  
23 testified that way.

24 MR. COLANTONIO: Okay. Let him go

1 through the report then, Doctor. Take your time  
2 and go through the report.

3 Which report --

4 THE DEPONENT: The previous one.

5 A. I feel like this is unfair to me as a  
6 witness by having me read pieces and moving because  
7 I feel I'm not getting adequate opportunity to be  
8 able to provide context to the data without  
9 reading.

10 Q. Let me make this a little bit easier then,  
11 Doctor. The paragraph I just read from your  
12 testimony --

13 MR. COLANTONIO: Hold on. You wanted  
14 -- I thought we were going to read the report. You  
15 want to read --

16 THE DEPONENT: The previous one.

17 MS. JINDAL: Let me just see if I can  
18 try to ease the doctor's concerns, please.

19 Q. The paragraph we just read from your  
20 testimony, what was your basis for making those  
21 statements?

22 A. So the paragraph you just read and the  
23 paragraph in the previous letters to the judges  
24 that you took out, by itself, does not have a leg

1 to stand on. It's in the context of an opioid  
2 crisis that has transitioned now killing West  
3 Virginians from opioid prescription drugs to heroin  
4 to cocaine, and we've established that as we went  
5 through.

6 And now to take that out of context and  
7 to act like opioid prescriptions have nothing to do  
8 with it is unfair and not really in context, so I  
9 take offense to that fact that we're taking pieces  
10 and trying to cobble those together instead of  
11 actually allowing a fair opportunity to be  
12 explaining what actually happened in West Virginia.

13 So I -- that's the piece that I think  
14 that is unfair.

15 Q. Has alcohol use disorder been a long-term  
16 -- long-standing challenge in West Virginia?

17 A. Yes, an alcohol disorder within -- which I  
18 will discuss as a very different challenge in many  
19 of the states, and we've already talked about today  
20 earlier how there will be always a level of  
21 population where there will be addictive behaviors.

22 So now to take that out wouldn't be  
23 fair because alcohol -- alcoholism and alcohol  
24 challenge did not rise by thousands of percent over

1 a decade. Opiate prescription drugs and volume of  
2 that did rise.

3 Alcohol did not contribute to killing  
4 West Virginians in this way. Opioid drugs did. So  
5 it would not be fair to blame alcohol for the sins  
6 of the volumes that have called West Virginians.

7 Q. And just to be clear, Doctor, I'm not  
8 trying to do that. I'm just trying to understand  
9 the prevalence of alcohol use disorder in West  
10 Virginia. Would you agree --

11 A. But you -- sorry. If you are wanting to do  
12 that, then we would be sharing data from CDC, from  
13 behavior risk to factors surveyed on the prevalence  
14 of binge drinking. We would be in a way different  
15 area right now than what we are doing picking and  
16 choosing pieces to cobble together.

17 This is not the type or the veracity of  
18 data, I'm -- you know, you can look up and you can  
19 see the West Virginia alcohol use data. I have the  
20 surveys of those, and I can tell you this is not  
21 where you go to look for that data.

22 Q. So to be clear, you are not sure about the  
23 accuracy of the data that is represented in this  
24 publication that was published by the West Virginia

1 Department of Health and Human Resources while you  
2 were Commissioner for the Bureau for Public Health?

3 A. That is absolute misconstruing of my  
4 statement.

5 Q. Okay. How am I misconstruing your  
6 statement, Doctor?

7 A. Because I am trying to provide you context  
8 and you are misconstruing that to the letters and  
9 the statements are false, which is just anything  
10 but the truth.

11 Q. Okay. So if the statements regarding the  
12 increase in alcohol use disorder in West Virginia  
13 is accurate, then is it fair to say that your  
14 testimony that alcohol use has been a long-standing  
15 challenge in West Virginia is accurate as well?

16 MR. COLANTONIO: Object to the form of  
17 the question.

18 A. In the last nine hours or so, you have not  
19 provided me an iota of evidence that suggests the  
20 claims you are making now.

21 Q. To be clear, Doctor, I'm not making these  
22 claims. I'm just reading to you what is from the  
23 document, asking whether this is in agreement with  
24 your testimony in front of Congress.

1 MR. COLANTONIO: That is -- wait a  
2 minute. That's not a question. You want to ask  
3 him a question?

4 MS. JINDAL: I guess what I'm  
5 trying --

6 Q. My question is: Did I read -- do you -- do  
7 you have any concern with how -- my accuracy of  
8 reading these statements into the record?

9 MR. COLANTONIO: Object to the form of  
10 the question.

11 A. I do have concerns that you have construed  
12 the -- as an example, the last line, that "This is  
13 in addition to longstanding challenge of misuse and  
14 addiction" and you just made a statement about "the  
15 rising evidence of alcohol use in West Virginia"  
16 without providing me any evidence of such, and I do  
17 have objections to the characterization of the use  
18 of alcohol without any evidence -- and we're making  
19 West Virginians seem like they're been doing  
20 nothing but sitting on their toes and feet and just  
21 drinking alcohol, and I think that's a very unfair  
22 characterization of people of West Virginia.

23 Q. And I want to be very clear that that is  
24 not what I am trying to say. I think you're being



1 a little bit unfair right now. But I think we  
2 should just take a break for about five minutes.  
3 Let's cool off. And then we can reconvene.

4 MR. COLANTONIO: Cool off? All right,  
5 we're going off for five.

6 VIDEO OPERATOR: Going off the record.  
7 The time is 5:56 p.m.

8 (A recess was taken after which the  
9 proceedings continued as follows:)

10 VIDEO OPERATOR: Now begins Media Unit  
11 9 in the deposition of Rahul Gupta, M.D. We are  
12 back on the record. The time is 6:01 p.m.

13 MS. JINDAL: Doctor Gupta, I have no  
14 more questions for you today, so I am going to pass  
15 you as the witness. Thank you.

16 EXAMINATION

17 BY MR. GOOLD:

18 Q. Doctor Gupta, my name is Jim Goold. Good  
19 afternoon. I'll try to be as short as possible.  
20 It really won't be very long, I promise. Just some  
21 follow up on a couple of things.

22 First, as Commissioner of Public Health  
23 in West Virginia, you did understand that diversion  
24 involved illegal acts. Is that right?

1 A. Yes.

2 Q. Okay. And we talked earlier, there was  
3 discussion about a report -- I believe it was  
4 called the social autopsy report, and you mentioned  
5 that you commissioned it. Do you recall that just  
6 generally?

7 A. Yes.

8 Q. I take it that you had the authority to  
9 commission a report on any aspect of the opioid  
10 crisis that you considered as something that was  
11 important to study.

12 A. I would have the authority within the  
13 confines of the public health aspect of it to --  
14 and at the same time, would be commissioning  
15 opioids and this crisis wasn't the only thing that  
16 was happening in West Virginia, so there was - as I  
17 mentioned earlier - 130 different program lines we  
18 were managing, so when I commission a report, I  
19 have to balance of the use of taxpayer dollars and  
20 resources with the necessity and importance and the  
21 ability for us to make an impact and change. I  
22 would have to measure that.

23 Q. Understood. Thank you. And looking at the  
24 opioid crisis from a public health point of view --

1 which was your perspective, right?

2 A. Yes.

3 Q. -- that would include understanding --  
4 trying to understand the causes of the crisis,  
5 correct?

6 A. Correct.

7 Q. Okay. Did West Virginia ever do a study of  
8 what substances people who had opioid overdoses had  
9 consumed before they began using and misusing  
10 opioids?

11 A. I am not aware of such.

12 Q. Just to be a little more specific, in case  
13 it helps, for example, did West Virginia ever look  
14 at the extent to which people who later had  
15 problems with prescription opioids had first smoked  
16 marijuana?

17 A. I am not aware of that, but I will also  
18 caveat this with a -- the issue that I saw and  
19 experienced was that not everyone who received a  
20 prescription necessarily was the only one that was  
21 abusing the prescription.

22 The core behind diversion was: There's  
23 a lot of unsuspecting victims of this crisis that  
24 were obtaining the pills, not necessarily through

1 the doctor's office.

2 In fact, some of the data that I  
3 highlighted today from SAMSHA demonstrates that.

4 Q. Okay, thank you. I understand that not  
5 every person who later had a prescription opioid  
6 problem first smoked marijuana, but you never  
7 looked at or the state never looked at whether it  
8 was 40 percent or 50 percent or 70 percent or 80  
9 percent or whatever number it was?

10 Am I right about that?

11 A. I think the closest understanding of what  
12 happens to the opioid overdose deaths, you can find  
13 in the social autopsy work, that's as close as  
14 we've gotten to understanding the year before the  
15 death of individuals who have died from overdose.

16 Q. Thank you. Just to make sure I've got it  
17 right then, that's what you would point to as the  
18 best source of data on the substance abuse history  
19 of people who died of opioid overdoses. Is that  
20 right?

21 A. For one year. And I'm not aware -- to  
22 directly answer your question, I'm personally not  
23 aware of the data. It may exist. I'm not aware of  
24 that.

1 Q. Okay. And have you ever looked at the  
2 literature for studies addressing that done by  
3 doctors or scientists in the United States?

4 A. I cannot recall now. I'm sure I have in  
5 the past, but I don't recall it now.

6 Q. Do you recall any data on the extent to I  
7 with amphetamine use precedes opioid --  
8 prescription opioid misuse? Any studies on that  
9 question?

10 A. I do not recall.

11 Q. Okay. Same thing about benzodiazepines.

12 A. Correct.

13 Q. Alcohol? Same question.

14 A. Correct.

15 Q. And tobacco, same question.

16 A. Correct.

17 Q. Okay. You also talked about Dopamine in  
18 your examination by Mr. Colantonio. Do you recall  
19 that? I'm just taking you back to that subject  
20 generally. Okay?

21 A. Yes.

22 Q. Am I right that the point that you were  
23 making was that elevated levels of Dopamine in the  
24 brain can be addictive?

1           A.    No, and please let me clarify the point I  
2   was making. I'm sure I said very similar earlier  
3   as well, which is: Any substance, we can use  
4   opioids, but you can also attach a number of other  
5   substances. It's also true for some foods; it's  
6   also true for smoking and other things.

7                   A pathway -- the reward pathway is the  
8   same, which is when you take the drug, it  
9   stimulates the release of Dopamine or the continued  
10  action of Dopamine that then tells the -- signals  
11  the front part of your brain that you're happy,  
12  you're satisfied, and that's the reward mechanism  
13  that is fed by opioids and a lot of other  
14  substances, as you just have mentioned.

15                  But as I stated to you, I'm not aware  
16  of someone who's doing heroin or amphetamine now  
17  wants to go back and use a prescription drug to  
18  reap the same rewards. In fact, we've seen exactly  
19  the opposite.

20           Q.    Do you know what level of Dopamine is  
21  required to trigger addiction?

22           A.    I am not aware of exact micro --  
23  microlevels in the blood or in the brain at this  
24  time.

1 Q. And you don't know how long or how much  
2 exposure over time there needs to be to an elevated  
3 level of Dopamine in order to trigger addiction.  
4 Is that right?

5 A. The time factor can vary within individuals  
6 and human beings, and at some point, the -- there's  
7 a need for higher escalation of dose, and then for  
8 variable period of time - that varies within the  
9 population and individuals - then there occurs more  
10 escalation for the dose, because we build something  
11 called tolerance.

12 And as tolerance gets built - which is  
13 different from different -- for different people -  
14 it requires a higher dose or strength of the  
15 substance.

16 Q. Do you know whether smoking tobacco leads  
17 to an increased level of Dopamine in the brain?

18 A. Tobacco's effects are more -- have to do  
19 with nicotine, and it is -- so there's multiple  
20 substances in tobacco. There are many cancerous  
21 substances, but most of the impacts of tobacco  
22 comes from a substance known as nicotine which  
23 breaks down into cordamine that actually stimulates  
24 the heart, stimulates the -- your heart rate and

1 breathing and others and also goes through your  
2 brain as well, and similar type of pathways.

3 Q. Okay. Do you have any understanding as to  
4 whether smoking tobacco leads - directly or  
5 indirectly - to an increased level of Dopamine in  
6 the brain?

7 A. It could lead to increased levels.

8 Q. Okay. Do you know -- have a -- know any  
9 data that empirically compares the level of  
10 Dopamine from smoking tobacco to any particular  
11 dose of an opioid?

12 A. I'm not aware of such that I can recall  
13 that data.

14 Q. How about alcohol? Do you have any  
15 understanding as to whether drinking alcohol -  
16 directly or indirectly - leads to an increase of  
17 Dopamine in the brain?

18 A. So alcohol can serve through various  
19 pathways and different mechanisms, and for those  
20 who become chronic alcoholics, that could be a  
21 potential path with them.

22 Q. And do you have any understanding as to  
23 comparisons of Dopamine levels for alcohol or  
24 alcoholism and opioids?



1           A.    I'm not -- I cannot recall any data that  
2    may compare that.

3           Q.    Okay. Let me ask the same questions about  
4    cocaine. Do you have an understanding as to what  
5    level of increased Dopamine cocaine leads to and as  
6    compared to opioids?

7           A.    I'm not able to recall any empirical data  
8    comparing cocaine and opioids.

9           Q.    A couple more. Benzodiazepines? Same  
10   question.

11          A.    Same answer.

12          Q.    Okay. How about behaviors, human behaviors  
13   or activities? Do you understand that there are  
14   human behaviors or activities that cause increased  
15   levels of Dopamine?

16          A.    So I want to just add that the suppressants  
17   like benzodiazepine, alcohol, you know, one of the  
18   things in the reward system that may or may not  
19   function through the reward system Dopamine.  
20   Behaviors certainly can.

21                    So you could have addiction to food;  
22   you could have addiction to other things, which the  
23   pathways may be similar, although the receptors  
24   where these things act are different.

1 Q. And are you able to empirically compare the  
2 effects of Dopamine from these activities to  
3 effects of Dopamine from opioids?

4 A. I think to the extent that we have learned  
5 that there are different receptors on which each of  
6 these and variety of these compounds and components  
7 can act to activate Dopamine. That's a  
8 differentiating point.

9 For example, opioids act on  
10 neuroreceptors to activate the system, and there  
11 are various different receptors of different types.

12 To that extent, we do have the  
13 knowledge of.

14 Q. Are you an expert -- you consider yourself  
15 an expert on this area of neurobiology?

16 A. I'm not necessarily an expert in  
17 neurobiology. I am a internal medicine physician  
18 with a long-term experience in both public health,  
19 prevention and especially in opioids.

20 Q. But you're not able to empirically compare  
21 the effects of increased Dopamine from these other  
22 activities to opioids. Is that right?

23 A. I am not a neurobiologist, and I cannot  
24 recall the data at this point.

1 MR. GOOLD: Thank you. I'm finished  
2 as well.

3 MR. COLANTONIO: Read and sign?

4 MR. RUBY: So Adam --

5 MR. GOOLD: Thank you, Doctor.

6 MR. RUBY: Adam, if I'm right, we are  
7 at about, I'd say, six hours and ten minutes on the  
8 record if we exclude Colantonio's examination of  
9 what has now been represented as a -- or what has  
10 now been represented as a nonparty, I suppose,  
11 deposition.

12 VIDEO OPERATOR: Yes, that is very  
13 close.

14 MR. RUBY: Okay. So we -- we do, I  
15 think, have a few more minutes. Jyoti, do you have  
16 anything else you want to cover? You're muted.

17 MS. JINDAL: I had to think. Doctor,  
18 if you're patience for a few more questions, I do  
19 have them. But I appreciate it's been a long day.  
20 So if you'll -- if you'll just bear with me, I  
21 promise it will be fast.

22 THE DEPONENT: Okay.

23 EXAMINATION

24 BY MS. JINDAL:

1 Q. Could you please turn to Exhibit 20?

2 MR. COLANTONIO: I'm sorry, 20?

3 MS. JINDAL: 20, 2-0.

4 MR. COLANTONIO: Okay.

5 GUPTA DEPOSITION EXHIBIT NO. 20

6 (E-mail chain between Gupta and others  
7 Re: MEDIA REQUEST = Fatal overdose  
8 victims by county and where they were  
9 from dated 9-27-17 to 9-29-17 was  
10 marked for identification purposes as  
11 Gupta Deposition Exhibit No. 20.)

12 A. I have it.

13 Q. Doctor Gupta, are you familiar with this  
14 document?

15 A. I am not. I am -- sounds like -- trying to  
16 familiarize myself.

17 Q. Just let me know when you're ready, Doctor.

18 A. Okay. I'm ready.

19 Q. Is this an e-mail chain -- and I'll just  
20 look at the top-most e-mail there. Is that an  
21 e-mail from Doctor Allen Mock?

22 A. Yes, I see Doctor Allen Mock and a number  
23 of people, including myself, who have been -- this  
24 e-mail has been sent to and copied to several

1 others.

2 Q. Okay. And this e-mail is dated September  
3 29, 2017?

4 A. Correct.

5 Q. And does this e-mail chain reflect a  
6 discussion of the number of non-Cabell County  
7 residents who have a fatally overdosed in Cabell  
8 County?

9 A. It reflects a request from a reporter about  
10 fatal overdose victims who have died in Cabell  
11 County up to this point in that year.

12 Q. And you're looking at the bottom of the  
13 e-mail, and I'm just going to read it out loud. It  
14 says, "I'd like to request the county of residence  
15 for each fatal overdose victim who died in Cabell  
16 County up to this point in the year." Correct?

17 A. Yes.

18 Q. And that reporter's e-mail is dated  
19 September 27th, 2017, correct?

20 A. Correct.

21 Q. So the middle e-mail here from Gary  
22 Thompson -- do you see that?

23 A. Yes.

24 Q. Who is Gary Thompson?

1           A.     Gary Thompson, at the time, was the State  
2 registrar.

3           Q.     And the e-mail directly below  
4 Mr. Thompson's e-mail from Toby Wagoner, does he --  
5 does Mr. Wagoner ask Gary or another individual  
6 named Dan, Daniel Christy, to look into whether the  
7 DHHR has this information?

8           A.     That's what it seems so -- to be.

9           Q.     And so does Mr. Gary Thompson's e-mail  
10 respond to that with the information requested by  
11 the reporter?

12          A.     It would seem so.

13          Q.     And does Mr. Thompson -- would you have any  
14 reason to doubt the accuracy of the numbers that he  
15 reports here?

16          A.     Yes, because these would be preliminary  
17 numbers. These would not be final numbers. And  
18 final numbers can often change.

19          Q.     Are those preliminary numbers the number of  
20 overdoses?

21          A.     That's what it says in the -- that's what  
22 it says here.

23          Q.     Okay. But it's not preliminary in terms of  
24 the identity of the county of residence or the

1 individual who overdosed, correct?

2 A. Not necessarily. I mean, it could happen  
3 that new information could come out and that  
4 individual may actually be a resident of a  
5 different county or a different county resident  
6 could be a resident of Cabell County, so this is --  
7 that's the reason when we produce data prematurely,  
8 we say it's preliminary data, and until the data is  
9 final, the data is not final.

10 And this does not seem to be anywhere  
11 stated here that this is a final data.

12 Q. Has DHHR ever published statistics like  
13 these?

14 MR. COLANTONIO: Object to form.

15 A. We published -- I think all throughout the  
16 day, we talked about overdose deaths. We do  
17 publish overdose deaths. We publish overdose  
18 deaths by the county of residence each year.

19 Q. So this data breaking down the number of  
20 deaths -- overdose deaths that were reported by  
21 county of residence is available in a final form  
22 elsewhere?

23 A. I believe if you look at my report, you  
24 might find it there, but the final report for

1 overdose deaths by county of residence should be  
2 available year after year in the standard format.

3 MS. JINDAL: Okay, Doctor. I think  
4 those were all the questions I have. Thank you.

5 THE DEPONENT: Thank you.

6 MR. FITZSIMMONS: Read and sign.

7 MR. COLANTONIO: Anybody else? All  
8 right. He'll read and sign.

9 VIDEO OPERATOR: We are off the record  
10 at 6:23 p.m., and this concludes today's testimony  
11 given by Rahul Gupta, M.D. The total number of  
12 Media Units used was nine and will be retained by  
13 Veritext.

14 (Having indicated he would like to  
15 read his deposition before filing,  
16 further this deponent saith not).

17  
18  
19 --oOo--  
20  
21  
22  
23  
24



1 STATE OF WEST VIRGINIA,  
2 COUNTY OF JACKSON, to wit;  
3

4 I, Teresa S. Evans, a Notary Public within  
and for the County and State aforesaid, duly  
5 commissioned and qualified, do hereby certify that  
the foregoing deposition of RAHUL GUPTA, M.D. was  
6 duly taken by me and before me at the time and  
place and for the purpose specified in the caption  
7 hereof, the said witness having been by me first  
duly sworn.

8  
9 I do further certify that the said  
deposition was correctly taken by me in shorthand  
notes, and that the same were accurately written  
10 out in full and reduced to typewriting and that the  
witness did request to read his transcript.

11  
12 I further certify that I am neither  
attorney or counsel for, nor related to or employed  
by, any of the parties to the action in which this  
13 deposition is taken, and further that I am not a  
relative or employee of any attorney or counsel  
14 employed by the parties or financially interested  
in the action and that the attached transcript  
15 meets the requirements set forth within article  
twenty-seven, chapter forty-seven of the West  
16 Virginia Code.

17 My commission expires October 25, 2020.  
Given under my hand this 15th day of September,

18 ~~GIVEN UNDER MY HAND~~

19 

20 Teresa S. Evans  
RMR, CRR, RPR, WV-CCR  
21  
22  
23  
24

1 STATE OF WEST VIRGINIA

2 COUNTY OF KANAWHA, to wit;

3 I, Teresa Evans, owner of Realtime Reporters,  
4 LLC, do hereby certify that the attached deposition  
5 transcript of RAHUL GUPTA, M.D. meets the  
6 requirements set forth within article twenty-seven,  
7 chapter forty-seven of the West Virginia Code to  
8 the best of my ability.

9  
10 Given under my hand this 15th day of September,  
11 2020.

12  
13  
14  
15 GIVEN UNDER MY HAND

16 

17 Registered Professional  
18 Reporter/Certified Realtime Reporter  
19  
20  
21  
22  
23  
24

Page 346

Veritext Legal Solutions  
1100 Superior Ave  
Suite 1820  
Cleveland, Ohio 44114  
Phone: 216-523-1313

September 16, 2020

To: Mark Colantonio, Esquire

Case Name: City of Huntington v. Amerisourcebergen Drug Corporation

Veritext Reference Number: 4242146

Witness: Rahul Gupta, M.D. Deposition Date: 9/11/2020

Dear Sir/Madam:

Enclosed please find a deposition transcript. Please have the witness review the transcript and note any changes or corrections on the included errata sheet, indicating the page, line number, change, and the reason for the change. Have the witness' signature notarized and forward the completed page(s) back to us at the Production address shown above, or email to [production-midwest@veritext.com](mailto:production-midwest@veritext.com).

If the errata is not returned within thirty days of your receipt of this letter, the reading and signing will be deemed waived.

Sincerely,  
Production Department

NO NOTARY REQUIRED IN CA

Veritext Legal Solutions

[www.veritext.com](http://www.veritext.com)

888-391-3376

DEPOSITION REVIEW  
CERTIFICATION OF WITNESS

ASSIGNMENT REFERENCE NO: 4242146

CASE NAME: City of Huntington v. Amerisourcebergen Drug Corporation, et al.

DATE OF DEPOSITION: 9/11/2020

WITNESS' NAME: Rahul Gupta, M.D.

In accordance with the Rules of Civil Procedure, I have read the entire transcript of my testimony or it has been read to me.

I have made no changes to the testimony as transcribed by the court reporter.

\_\_\_\_\_  
Date Rahul Gupta, M.D.

Sworn to and subscribed before me, a Notary Public in and for the State and County, the referenced witness did personally appear and acknowledge that:

They have read the transcript;

They signed the foregoing Sworn Statement; and

Their execution of this Statement is of their free act and deed.

I have affixed my name and official seal

this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_.

\_\_\_\_\_  
Notary Public

\_\_\_\_\_  
Commission Expiration Date

DEPOSITION REVIEW  
CERTIFICATION OF WITNESS

ASSIGNMENT REFERENCE NO: 4242146

CASE NAME: City of Huntington v. Amerisourcebergen Drug Corporation, et al.

DATE OF DEPOSITION: 9/11/2020

WITNESS' NAME: Rahul Gupta, M.D.

In accordance with the Rules of Civil Procedure, I have read the entire transcript of my testimony or it has been read to me.

I have listed my changes on the attached Errata Sheet, listing page and line numbers as well as the reason(s) for the change(s).

I request that these changes be entered as part of the record of my testimony.

I have executed the Errata Sheet, as well as this Certificate, and request and authorize that both be appended to the transcript of my testimony and be incorporated therein.

\_\_\_\_\_  
Date

\_\_\_\_\_  
Rahul Gupta, M.D.

Sworn to and subscribed before me, a Notary Public in and for the State and County, the referenced witness did personally appear and acknowledge that:

They have read the transcript;  
They have listed all of their corrections in the appended Errata Sheet;  
They signed the foregoing Sworn Statement; and  
Their execution of this Statement is of their free act and deed.

I have affixed my name and official seal  
this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_.

\_\_\_\_\_  
Notary Public

\_\_\_\_\_  
Commission Expiration Date

## ERRATA SHEET

VERITEXT LEGAL SOLUTIONS MIDWEST

ASSIGNMENT NO: 4242146

PAGE/LINE (S)	CHANGE	/REASON
---------------	--------	---------

This image shows a single sheet of white paper with horizontal blue ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

Date                      Rahul Gupta, M.D.

SUBSCRIBED AND SWORN TO BEFORE ME THIS

DAY OF \_\_\_\_\_, 20\_\_\_\_.

Notary Public

Commission Expiration Date

[&amp; - 2.32.]

Page 1

<b>&amp;</b>	<b>10</b> 124:11 134:2	<b>13</b> 97:12 246:2	<b>1860</b> 202:16
<b>&amp;</b> 2:11,14,19 8:12	148:23 222:16	300:3,5 320:9	<b>188</b> 4:4
8:16,17 242:17	281:22	<b>130</b> 56:1 147:20	<b>1890s</b> 202:16
<b>0</b>	<b>10,000</b> 269:19	264:20 329:17	<b>19</b> 192:19
<b>00039036-091</b>	<b>10-26-18</b> 6:20	<b>1332</b> 187:19	<b>1980</b> 191:2,5,8
6:18 60:23	99:11	<b>14</b> 5:13 121:6	<b>1987</b> 60:9
<b>0038760</b> 5:15	<b>100</b> 134:2 147:21	127:20,21 246:2	<b>1988</b> 60:9
308:11	164:15 166:16	304:6 308:2,3,4,6	<b>1990</b> 191:11,23
<b>0038761</b> 5:18	196:19 198:4	308:17 309:7,8	192:11,12,19
308:15	203:16 215:15	<b>141</b> 5:5 12:8	193:6,8,10 200:23
<b>0047102</b> 5:21	244:22,23,24	<b>15</b> 5:16 16:23 75:5	203:13
303:19	245:3,4,5,22	97:12,12 124:11	<b>1990s</b> 140:8,17
<b>0317258-322</b> 6:8	264:21	162:6,16 281:22	143:5 144:1 146:8
246:24	<b>10538</b> 344:19	296:16 304:4,7	146:17 148:8,12
<b>0391628-651</b> 6:13	345:16	308:2,4,6,17 309:7	192:13,24 194:12
254:20	<b>106.7</b> 319:20	312:5	202:8,10,15,17
<b>0391630</b> 255:8	<b>10:11</b> 54:22	<b>15.6</b> 111:24	203:5 204:1,9,20
<b>07</b> 147:6 171:4	<b>10:26</b> 55:3	<b>150</b> 305:18	205:8 211:20
<b>09</b> 127:18 175:12	<b>11.63</b> 320:13	<b>15th</b> 344:17	213:17 214:3,21
<b>0920</b> 101:20	<b>1100</b> 346:1	345:10	215:11 221:9
<b>0925</b> 206:9	<b>1148108-126</b> 6:16	<b>16</b> 5:19 146:17	222:5
<b>0926</b> 213:24	313:3	303:15,24 304:2,4	<b>1993</b> 120:1
<b>0936</b> 244:13	<b>1148109</b> 314:1	304:11,12,16,18	<b>1994</b> 192:1
<b>0949</b> 104:3	<b>115</b> 4:3	304:22 305:1	<b>1995</b> 89:13
<b>0951</b> 111:2	<b>11:53</b> 114:23	346:4	<b>1996</b> 195:24
<b>0953</b> 112:9	<b>11th</b> 1:21 7:4	<b>16.9</b> 245:13,23	<b>1997</b> 148:14 222:7
<b>0954</b> 104:13 112:9	129:12,13	<b>1609</b> 3:5	224:2
<b>096</b> 211:3	<b>12</b> 5:3,5 12:8 43:9	<b>1630</b> 255:2,4,14	<b>1999</b> 40:3 192:19
<b>1</b>	45:22 103:7	<b>1632</b> 256:2	<b>19th</b> 27:7
<b>1</b>	106:24 209:7	<b>1634</b> 321:9	<b>1:48</b> 180:14,15,22
<b>1</b> 5:3 7:13 12:2,3	<b>12-13-16</b> 5:7	<b>17</b> 5:22 146:17	<b>1st</b> 316:7
12:10 13:11 182:9	299:13	182:8,13 244:12	<b>2</b>
182:11,16 218:7	<b>123</b> 122:18	246:8,8 255:19	<b>2</b> 55:2 107:8
246:5,9 297:21	<b>126</b> 302:6	260:22 303:13,15	147:14 183:22
311:11 320:7	<b>128</b> 5:7,8 299:12	304:1,11,13,16,19	184:2,4,13,19
<b>1,000</b> 134:2 167:18	299:13,22	<b>17th</b> 321:6	234:5 311:21
174:16 178:15	<b>12:00</b> 99:17,20	<b>18</b> 175:12 209:7	<b>2-0</b> 339:3
215:16	<b>12:30</b> 114:16	317:24	<b>2.3</b> 320:14
<b>1.1</b> 280:10	<b>12:34</b> 115:5	<b>181</b> 4:4	<b>2.32</b> 245:21
<b>1.8</b> 147:15 198:13	<b>12th</b> 129:14	<b>1820</b> 346:2	<b>2.32.</b> 245:19
266:17			

[2.79. - 303]

Page 2

<b>2.79.</b> 245:20 <b>20</b> 6:2 24:12 75:5 107:16 124:11 162:16 201:11 281:22 296:8,16 296:24 317:23 339:1,2,3,5,11 347:16 348:22 349:22 <b>20,000</b> 174:15 196:1 319:22 <b>200</b> 203:16 284:21 285:10 305:18 <b>2000</b> 73:18 96:10 146:17 156:10 157:3 158:1 182:20 191:13 192:14 193:3 196:21 198:8,20 <b>2000-2015</b> 144:24 <b>20001</b> 2:21 <b>20005</b> 2:12 <b>2000s</b> 78:8 79:12 204:12 283:12 <b>2001</b> 129:13,14 182:18 204:8,8,21 245:9,12,17,18 264:19 265:3 305:9,14 307:13 307:15 <b>2001-2015</b> 183:5 <b>2003</b> 156:10 <b>2004</b> 167:14 318:19 <b>2006</b> 147:6,19 171:4 196:1 264:20 265:5,9,12 <b>2007</b> 120:21 121:2 269:20 <b>2008</b> 156:18	<b>2009</b> 70:7 84:16,20 91:1 92:11 102:9 120:21 121:2 <b>2010</b> 121:6,11 145:19 156:18 191:15 <b>2011</b> 79:21 121:15 <b>2012</b> 89:16 147:6 246:2 264:22 265:3,5,10,12 <b>2012-2013</b> 161:21 <b>2013</b> 245:10 <b>2014</b> 11:7 84:20 91:2 165:24 305:17,21 307:17 307:19 318:12 <b>2015</b> 55:10 89:17 91:3 96:10 102:7 111:21 121:11,19 127:24 131:4 161:18 162:5,16 171:3 182:18 204:22 251:7 305:18,21 <b>2015-16</b> 134:13 <b>2016</b> 5:11 6:7 11:24 12:13 111:7 111:13,15,16,17 111:21 112:11 124:12,21 126:3 162:6,16 183:23 184:7,15 188:21 206:24 215:8 224:18 243:3,17 246:10,22 295:7 296:9,16 297:11 299:4 300:2,3,5 303:5 305:9,14,19 306:12 318:8,10 318:19	<b>2016/2017</b> 146:8 <b>2017</b> 5:16 61:10 111:9 112:3,11 124:13 167:17 182:8,14 188:17 188:20 207:10 209:10 245:13,17 245:19 280:9 308:11 309:16 340:3,19 <b>2018</b> 80:1 101:9 102:7 125:19 127:23,24 142:5 165:24 167:14 206:5 244:10 255:19 313:21 315:5 316:4 321:5 321:6 <b>2018.07.05</b> 6:15 313:1 <b>2019</b> 122:11 203:13 255:9 <b>2020</b> 1:22 7:4 23:3 27:8 73:17 122:12 191:17 344:17,18 345:11 346:4 <b>20th</b> 255:9 <b>216-523-1313</b> 346:3 <b>22</b> 24:16 <b>23</b> 6:22 <b>23rd</b> 61:9 <b>24</b> 89:24 <b>246</b> 6:5 <b>25</b> 178:8,11 201:11 284:12,15 344:17 <b>250</b> 178:13 <b>250,000</b> 178:17 <b>25323</b> 2:16 <b>254</b> 6:9	<b>25714-1180</b> 2:8 <b>26</b> 101:9 206:4 230:23 234:5 244:10 310:16,22 <b>26.3</b> 320:8 <b>26003</b> 3:5 <b>27</b> 310:17 <b>272</b> 125:19 <b>273</b> 125:18 142:5 225:6 <b>27th</b> 340:19 <b>28</b> 2:5 <b>29</b> 340:3 <b>29464</b> 2:5 <b>295</b> 5:9 <b>299</b> 5:6 <b>2:00</b> 181:4 <b>2:55</b> 226:22 <b>2nd</b> 315:5 316:3,7 <div style="border: 1px solid black; text-align: center; padding: 2px;"><b>3</b></div> <b>3</b> 64:19 115:4 256:1 302:16 311:12 312:1 <b>3-26&amp;27-18</b> 6:7 246:21 <b>3-29-17</b> 5:15 308:10 <b>30</b> 103:9 104:2 105:15 107:2 108:20 126:5 127:6 149:15,16 156:3 178:8,11 180:3 207:6 223:6 223:7 247:14 260:20 284:12,15 <b>30-40</b> 180:10 <b>300</b> 178:13 284:21 285:10 <b>300,000</b> 178:17 <b>303</b> 5:19,22
--	---	---	---



[308 - able]

Page 3

<b>308</b> 5:13,16 <b>31</b> 110:17,18 <b>313</b> 6:14 <b>32</b> 110:18 111:2 <b>328</b> 4:5 <b>33</b> 158:22 167:20 <b>338</b> 4:5 <b>339</b> 6:2 <b>34</b> 112:8 306:14 <b>35</b> 104:13 112:8 305:5,7,10 <b>35,000</b> 195:24 196:1 <b>350</b> 305:18 <b>37</b> 6:5 246:17,18 247:2 <b>38</b> 6:9 254:12,13 254:22 321:1 <b>3:00</b> 296:21 <b>3:10</b> 227:3,23 <b>3:17-01362</b> 1:7 6:23 7:20 23:16 <b>3:17-01665</b> 1:13 7:20 <b>3:25</b> 240:18 <b>3:29</b> 240:23 <b>3rd</b> 2:8 23:3 24:12	<b>400</b> 133:19 <b>422</b> 2:7 <b>4242146</b> 346:7 347:2 348:2 349:2 <b>44114</b> 346:2 <b>45</b> 6:14 310:10 312:22,23 313:5 <b>45-64</b> 319:19 <b>47700</b> 302:14 <b>4:45</b> 291:11 <b>4th</b> 5:14 308:10	<b>6-3-20</b> 6:23 23:16 <b>60</b> 6:17 94:18 320:9 <b>624</b> 303:5 <b>65</b> 319:19 <b>65.9</b> 319:22 <b>6:01</b> 328:12 <b>6:23</b> 343:10	<b>9</b> <b>9</b> 4:3 328:11 <b>9-0</b> 193:9 <b>9-27-17</b> 6:4 339:9 <b>9-29-17</b> 6:4 339:9 <b>9/11/2020</b> 346:8 347:3 348:3 <b>90</b> 166:19 204:11 216:1,7 217:11,16 219:22 220:19 <b>901</b> 2:15 <b>9039</b> 64:19 <b>9040</b> 79:16 <b>9042</b> 62:3,4 <b>90s</b> 147:24 195:20 196:6,8 <b>92.8</b> 319:18 <b>99</b> 6:19 216:8 244:24 <b>9:04</b> 7:3
<b>4</b>	<b>5</b>	<b>7</b>	<b>9</b>
<b>4</b> 5:6 79:15 211:7 299:9,10,16 320:7 <b>4,000</b> 320:11 <b>4-21-17</b> 5:21 303:19 <b>4-29-17</b> 5:24 303:22 <b>4-4-17</b> 5:14,18 308:8,14 <b>40</b> 103:9 105:16 107:3 108:14 180:1,2,10 312:9 331:8	<b>5</b> 5:9 97:16 172:12 174:14,16 181:2 295:2,3,10 321:7 <b>5,000</b> 270:1 <b>5-1</b> 61:3 <b>5-17-18</b> 6:13 254:20 <b>5-27-17</b> 5:10 295:5 <b>50</b> 164:14 273:3 305:17 331:8 <b>500</b> 229:12 <b>51</b> 6:17 60:20,21 61:1,3 64:13 90:15 <b>53</b> 297:1 <b>54</b> 6:19 99:7,8,13 100:9 205:19 214:1 244:8 <b>56</b> 6:22 23:6,8,9,12 23:13,18 <b>57.8</b> 319:21 <b>5:02</b> 291:16 <b>5:56</b> 328:7 <b>5th</b> 313:21	<b>7</b> 211:2 240:22 <b>7-5-18</b> 6:16 313:2 <b>70</b> 248:16,16,20 331:8 <b>700</b> 147:12 <b>707</b> 2:15 <b>72</b> 276:9 <b>725</b> 2:12 <b>780</b> 114:3 147:5 198:12	<b>901</b> 2:15 <b>9039</b> 64:19 <b>9040</b> 79:16 <b>9042</b> 62:3,4 <b>90s</b> 147:24 195:20 196:6,8 <b>92.8</b> 319:18 <b>99</b> 6:19 216:8 244:24 <b>9:04</b> 7:3
<b>4</b>	<b>5</b>	<b>8</b>	<b>a</b>
<b>4</b> 5:6 79:15 211:7 299:9,10,16 320:7 <b>4,000</b> 320:11 <b>4-21-17</b> 5:21 303:19 <b>4-29-17</b> 5:24 303:22 <b>4-4-17</b> 5:14,18 308:8,14 <b>40</b> 103:9 105:16 107:3 108:14 180:1,2,10 312:9 331:8	<b>6</b> 62:6 206:8 227:2 227:22 310:9	<b>8</b> 291:15 <b>8-16-16</b> 5:3 12:5 <b>80</b> 157:22 166:19 204:11,11 216:1,6 217:11,16 219:22 220:19 264:13 265:8 273:6 331:8 <b>81.5</b> 319:19 <b>8109</b> 314:21 <b>8119</b> 317:5 <b>8123</b> 318:4 <b>83</b> 136:13 <b>83.7</b> 319:18 <b>85</b> 136:13 <b>850</b> 2:20 71:21 <b>8533</b> 296:15 <b>8:00</b> 129:15 296:21 <b>8th</b> 303:5	<b>a</b> <b>a.m.</b> 7:3 54:22 55:3 114:23 <b>abate</b> 48:18 52:17 53:19 140:5 <b>abated</b> 158:14 <b>abatement</b> 288:7 288:11,21 289:2 289:14 290:7,8,14 <b>abating</b> 49:16 <b>abdc</b> 57:14 <b>ability</b> 13:21 20:23 21:3 50:2 51:20 57:11 84:11 141:5 173:14 329:21 345:8 <b>abject</b> 202:20 <b>able</b> 13:9,23 15:17 15:19,22 16:10 21:8 28:7 29:23

31:1,13 35:4,23,24 36:1,24 38:18,24 45:1 52:4 72:22 74:14 89:17 93:17 102:24 110:10 113:24 116:18,21 124:14 129:7 134:15,16 135:6 137:21 146:5,15 154:9 156:20 159:15,19 161:12 166:14,16 168:22 171:10,11 172:18 172:18 179:2 189:19 200:7 230:11 235:24 242:5 246:14 251:20,22 252:1 266:18 272:18 284:2 292:21 311:18 323:8 336:7 337:1,20 <b>abnormal</b> 194:6 202:21 <b>absolute</b> 144:4,5 148:22 222:15 326:3 <b>absolutely</b> 26:7 64:14 177:20 <b>abstinence</b> 97:17 136:20 168:13 170:17 <b>abuse</b> 35:11 45:17 48:14 52:1 85:4 154:16 161:23 165:22 311:5 321:23 331:18 <b>abused</b> 132:21 <b>abusing</b> 330:21 <b>aca</b> 145:18	<b>academic</b> 65:8 <b>access</b> 114:1 134:19,24 135:1 250:6,10,13,17,22 251:1,3,5,8,17,22 252:1,13 <b>accesses</b> 294:5,5 <b>accidents</b> 66:2 <b>account</b> 195:12,14 196:2 <b>accountable</b> 293:1 <b>accounted</b> 174:6 <b>accounts</b> 22:20 <b>accumulated</b> 200:6 <b>accumulating</b> 131:5 <b>accuracy</b> 112:6 297:20 301:10 315:19 318:23 320:2,20 325:23 327:7 341:14 <b>accurate</b> 13:5 98:22 195:2,13 200:18 226:4 250:9 252:3 283:1 319:7 326:13,15 <b>accurately</b> 13:24 62:11 344:9 <b>acetyl</b> 302:14 <b>acknowledge</b> 36:24 347:11 348:16 <b>acryl</b> 302:16 <b>act</b> 48:4 49:24 50:9,22 51:1 90:20 92:20 94:6 125:20 141:23 142:3,21 225:6 270:8 273:8 292:10,11 324:7	336:24 337:7,9 347:14 348:20 <b>acting</b> 160:9 <b>action</b> 1:6,13,20 5:5,17 7:19 8:3 12:8 24:10 49:14 266:23 267:10,18 268:10 274:2 308:14 309:18 333:10 344:12,14 <b>actions</b> 47:10,18 47:23 91:17 93:12 222:19 274:14 293:1 <b>activate</b> 337:7,10 <b>active</b> 63:18,21 177:2 <b>actively</b> 105:10 <b>activities</b> 251:21 336:13,14 337:2 337:22 <b>activity</b> 152:17 153:21 <b>actors</b> 40:23 190:23 273:8 <b>acts</b> 93:7,9,12 96:7 160:9 328:24 <b>actual</b> 97:24 114:2 114:6 211:20 280:18 298:2 <b>acute</b> 141:10,15 196:23 <b>acutely</b> 78:14 <b>adam</b> 3:8 7:22 228:18 286:10 338:4,6 <b>add</b> 82:24 97:20 172:1 252:17 285:14 336:16 <b>added</b> 245:2	<b>adderall</b> 172:3 <b>addicted</b> 132:21 149:22 150:6 154:9 155:19 158:11 159:8,10 159:10,11 160:1 163:7 164:19 166:3 169:16 172:6 178:2 179:14 221:13 223:14,21 224:10 224:15 281:2,10 282:9,19 283:4 284:22 285:11 311:21,22,24 312:2,4,5,8,10 <b>addiction</b> 47:3,4 123:3 130:23 139:5,7 149:4,22 151:6,10,14,14,17 151:23,23 154:1 154:10,17 156:13 158:3,12 160:22 163:18 165:7 169:16,17 173:13 175:2 177:19 178:14,18,18 179:18 221:14 222:21 223:14 225:21 274:20 275:11 277:5,16 278:4,7,11 279:11 279:17 281:16,24 282:22 322:1 327:14 333:21 334:3 336:21,22 <b>addiction's</b> 158:6 <b>addictive</b> 166:6 172:3 324:21 332:24
---	--	--	--

<b>addicts</b> 177:22 <b>adding</b> 200:20 <b>addition</b> 72:23 73:4 105:12 117:15 136:13,20 185:6 190:22 197:8 211:19 229:5 234:6 285:14 302:16 321:24 327:13 <b>additional</b> 60:17 145:17 211:3 322:14 <b>address</b> 37:12,18 37:19 41:4 46:4 49:9 127:4 138:9 142:22 256:14 319:13 322:15 346:15 <b>addressed</b> 313:12 <b>addressing</b> 40:15 72:18 80:12 81:2 332:2 <b>adequate</b> 151:7 245:7 264:8 323:7 <b>adequately</b> 73:23 198:14 <b>adhering</b> 272:10 <b>adjunct</b> 121:21 <b>adjust</b> 172:18 196:10 <b>administer</b> 8:2 <b>administration</b> 60:18 63:7 120:8 190:16 <b>admitted</b> 65:24 <b>advanced</b> 60:14 62:13 <b>adverse</b> 154:16 205:14	<b>advisories</b> 300:8 <b>advisory</b> 5:8 48:14 51:24 85:3 128:5 128:8 161:22 299:13,22 300:1,7 300:11 302:5,5 <b>affiliations</b> 8:7 <b>affirmatively</b> 284:23 <b>affixed</b> 347:15 348:21 <b>affordable</b> 47:12 90:20 278:16 <b>aforesaid</b> 344:4 <b>afraid</b> 277:3 <b>african</b> 69:1 319:18 <b>afternoon</b> 328:19 <b>ag</b> 26:19 <b>age</b> 205:2,5 206:20 213:6 319:19,19 <b>agencies</b> 58:3 128:11 130:6 256:19 <b>agency</b> 59:7 190:18 <b>agents</b> 129:16 <b>aggressive</b> 179:16 <b>aging</b> 273:1 <b>ago</b> 9:10 19:21 36:15 54:15 97:23 106:19 290:4,6 <b>agonist</b> 160:7,10 160:14,15 <b>agree</b> 7:11 14:16 27:24 59:18 86:21 86:24 87:2,6 92:19 193:24 198:11 256:23 257:2 287:12,13 287:15 291:2	311:7,8 322:9 325:10 <b>agreed</b> 142:18 207:2 225:7,12 269:13 <b>agreeing</b> 142:15 <b>agreement</b> 159:1 233:18 326:23 <b>agreements</b> 27:16 242:12 <b>ahead</b> 12:11 13:10 24:2,3,6 33:2 49:20 51:13 54:17 60:1 114:15 115:11 141:9 199:7 238:4 267:7 283:7 292:5 293:15 <b>ahold</b> 278:12 <b>air</b> 70:21,21 71:2 131:3,8 <b>al</b> 1:8,14 5:4 7:17 12:6 347:3 348:3 <b>alabama</b> 63:5 64:23 65:5,6 68:13 73:10 120:4 120:17 129:4 <b>alarming</b> 302:20 <b>alcohol</b> 159:11 311:21 319:15 322:1 324:15,17 324:23,23 325:3,5 325:9,19 326:12 326:14 327:15,18 327:21 332:13 335:14,15,18,23 336:17 <b>alcoholics</b> 335:20 <b>alcoholism</b> 324:23 335:24	<b>align</b> 271:14 <b>aligned</b> 271:17 <b>alimony</b> 93:6 <b>alive</b> 277:2 <b>allen</b> 309:9 339:21 339:22 <b>allow</b> 134:24 135:1 152:5 161:9 175:2 276:5 <b>allowed</b> 19:22 128:10 <b>allowing</b> 324:11 <b>allows</b> 161:8,10 <b>alluded</b> 298:2 <b>alterations</b> 316:11 <b>altered</b> 158:7 <b>alternative</b> 47:12 163:9 278:16 <b>alternatives</b> 197:7 <b>amend</b> 186:11 <b>america</b> 206:24 <b>american</b> 10:16 69:1 78:12,20 101:23 259:3 <b>americans</b> 103:6 106:23 319:18 <b>amerisourceberg...</b> 1:7,14 5:4 7:17 10:15 11:23 12:6 12:14 21:23 57:6 57:9,14 59:3 346:6 347:3 348:3 <b>amount</b> 31:13 83:3 113:18 126:4 126:12 145:22 151:1,7 157:4,13 167:1 169:4 176:16 189:19,22 189:24 190:1,6 191:24 193:22 260:5 268:17
--	--	--	--

[amount - areas]

Page 6

269:4,6 271:8 275:5 <b>amphetamine</b> 318:16 332:7 333:16 <b>anal</b> 216:14 <b>analog</b> 301:6 303:10 <b>analogs</b> 302:13,20 <b>analyses</b> 200:4 201:5,10,22,23 220:18 285:2 <b>analysis</b> 6:8 146:5 174:3 183:16,24 184:7,14,16 185:8 198:2 199:2,10,12 199:21 200:1 201:1,17 204:7,20 216:16,17 217:4 217:11,16,19 218:1,11,17 243:4 246:23 299:6 305:10 306:19 <b>analytically</b> 144:23 <b>analyze</b> 205:16 <b>anecdotal</b> 200:10 <b>animal</b> 152:19 <b>animals</b> 152:8 <b>anita</b> 314:3 <b>ankle</b> 260:23 <b>anne</b> 2:3 8:19 29:10 31:17 32:11 118:4 182:1 187:7 187:9,10,20 188:2 291:1 297:12 <b>annual</b> 111:17 <b>anonymous</b> 314:13,18 <b>answer</b> 14:13,15 17:24 18:1 19:9	33:8 35:7 37:2 41:3 49:20 50:7 50:12 52:15 57:5 73:7 84:12 88:8 89:3 90:6 98:22 104:18 106:4,8 175:15 180:9 198:19 200:10 211:16 215:24 216:23 217:3 220:9,16 221:10 221:18,20 222:1 224:3 227:20 228:16 231:2 232:16 236:9 238:2,13 249:18 250:1,20 252:10 261:20 263:18 265:23,24 267:5 269:9 278:22 281:10 282:24 331:22 336:11 <b>answered</b> 25:3 106:2,3 116:14 198:24 201:4 <b>answering</b> 204:16 <b>answers</b> 26:13 98:19 148:2 236:15 <b>antagonist</b> 160:14 160:18 <b>antibiotic</b> 67:9 <b>antibiotics</b> 66:18 67:8,11,18 <b>anticipate</b> 37:13 <b>antidote</b> 44:15 <b>antione</b> 2:19 <b>antonine</b> 8:16 <b>anybody</b> 105:17 135:1 172:23,23 236:13 343:7	<b>anybody's</b> 235:17 <b>anyway</b> 100:8 <b>apologies</b> 241:10 <b>apologize</b> 23:9 25:15 100:12 104:12 207:19 211:1 242:21 247:21 284:16 299:18 300:4 304:5,13 309:15 310:19 <b>appear</b> 29:2 184:20 347:11 348:15 <b>appearance</b> 8:10 29:9 239:14,15 <b>appearances</b> 2:1 3:1 8:7,24 <b>appeared</b> 117:20 122:21 185:19 186:2 239:4,9,20 240:2 <b>appearing</b> 2:2,10 2:17 3:2 118:5,11 185:23 <b>appears</b> 122:17 297:13 <b>appended</b> 348:11 348:18 <b>applicable</b> 57:5 187:16 194:1 300:18 <b>application</b> 94:4 <b>applied</b> 142:11 <b>applies</b> 187:5 <b>apply</b> 262:13 <b>appointment</b> 68:17 71:11 <b>appreciate</b> 26:15 98:17 112:22 189:12 208:13	247:22 286:4 298:15 338:19 <b>approach</b> 67:23 67:24 68:4,10 72:2,13 74:9 241:6,11 256:18 263:5 <b>approached</b> 77:6 77:11,15 241:15 241:18 <b>approaches</b> 321:16 <b>approaching</b> 77:1 77:4 <b>appropriate</b> 37:3 61:15 66:17,18,20 66:21,23 67:6 114:9 141:13,24 150:23,24 156:23 159:14 175:8 203:20 214:15 237:1 282:4,5 294:14 302:22 310:5,6 <b>appropriately</b> 28:24 224:5 282:7 283:3 <b>approval</b> 259:14 <b>approved</b> 159:4 160:5 <b>approximately</b> 16:17,20 25:21 39:20 40:2 89:16 122:18 147:15 174:15 180:10 <b>april</b> 5:14 308:9 <b>aquiring</b> 155:20 <b>area</b> 22:19 42:3 325:15 337:15 <b>areas</b> 38:7 64:3 124:2 140:20
---	--	---	--

[areas - authorize]

Page 7

197:3,8,11 230:20 <b>argue</b> 231:4 <b>arrangement</b> 287:20 290:19 <b>arrested</b> 293:7,8 293:15,19 294:8 <b>arresting</b> 293:11 <b>arrive</b> 198:6 218:3 245:22 <b>arthritic</b> 140:21 196:3 <b>arthritis</b> 140:22 143:11 145:14,17 197:20 <b>article</b> 344:15 345:6 <b>articles</b> 122:19 123:19 <b>ascertain</b> 13:1 <b>ascertainable</b> 88:19 <b>ascertained</b> 88:23 <b>ashley</b> 314:3 315:18,23 <b>aside</b> 13:11 18:18 24:23 63:9,14 190:20 258:17 268:21 293:18 299:3 <b>asked</b> 25:2 29:2,8 30:19 31:1 32:4 33:2 34:1,7,12,15 34:16 35:2 37:21 49:6 53:17 76:17 95:6 106:1 124:13 124:15 133:20 134:4 198:23 213:23 220:11 221:6 227:8 228:4 229:19,19,20 242:24 267:5	<b>asking</b> 13:3 19:6 29:1,6 41:6 48:2 50:20 52:12 105:21 130:3 164:4 229:21,22 237:14 259:8 269:8 280:20 281:9 326:23 <b>asks</b> 37:17 153:9 216:20 217:2 236:20 <b>aspect</b> 35:6 43:1 49:5 54:7 71:5 72:18 102:21 107:14 132:5 225:1 329:9,13 <b>aspects</b> 21:1 64:16 65:17 70:19 71:3 71:7 72:20 73:5 76:22 94:7 96:15 97:12 109:3 132:2 136:6 138:1 141:12 145:9 149:2 153:22 170:24 249:16 280:17 <b>asserted</b> 203:18 <b>assertion</b> 86:1 <b>assessment</b> 112:24 204:3 <b>assignment</b> 347:2 348:2 349:2 <b>assimilated</b> 18:22 <b>assistance</b> 101:13 126:23 <b>assistant</b> 65:9 120:16,20,24 121:9 <b>assisted</b> 314:8 316:22 317:9	<b>associate</b> 79:19 121:13 <b>associated</b> 31:22 175:19 243:11 254:2 256:16 <b>association</b> 300:21 300:23 <b>associations</b> 170:20 301:1 <b>assume</b> 53:5 <b>assuming</b> 248:5 282:5 <b>assumption</b> 144:4 157:3 193:16 194:19 195:1 199:16 200:19,24 213:9 247:19 248:2 <b>asterisk</b> 209:12 <b>attach</b> 333:4 <b>attached</b> 5:8,12 6:8 246:23 295:8 297:24 298:20 299:14 309:8,16 344:14 345:4 348:7 <b>attaches</b> 160:11 <b>attachment</b> 61:7 61:15 255:2,8 295:24 296:3 299:21 314:6 316:10,12 <b>attachments</b> 314:9 <b>attempt</b> 28:11 55:23 56:6 128:12 <b>attempted</b> 188:21 232:6,8 <b>attempting</b> 17:11 42:19 45:13 47:8 50:4	<b>attempts</b> 44:24 <b>attendees</b> 315:4 <b>attending</b> 8:6 42:4 <b>attention</b> 79:15 85:6,11,12 100:17 171:11,12 211:19 <b>attest</b> 37:15 <b>attitudes</b> 148:3 <b>attorney</b> 8:10 9:12 10:14 17:22 18:18 25:23 27:17 344:12,13 <b>attorneys</b> 15:2,3 15:15,23 16:1,2,4 16:8 20:10,19 27:4,5 28:8 <b>attributed</b> 136:16 303:10 <b>auburn</b> 66:8 <b>audience</b> 108:18 110:3,6,13 <b>audiences</b> 103:8 107:1 110:9,10 <b>audio</b> 7:9,10 228:21 <b>auds</b> 319:16 <b>august</b> 5:11 182:8 182:13 295:7 296:9,16,16 <b>authenticate</b> 93:3 <b>author</b> 296:6 300:6 309:22 <b>authored</b> 309:20 319:4 <b>authority</b> 49:8,23 50:1,21,24 51:20 52:13 91:16 251:11 252:15 329:8,12 <b>authorize</b> 348:11
---	---	--	---



[authorized - bates]

Page 8

<b>authorized</b> 8:2 36:12 <b>authors</b> 296:2 <b>automatically</b> 67:15 <b>autopsies</b> 132:6 <b>autopsy</b> 124:9,19 125:21 126:2 135:10 138:12 178:10 243:1 246:10 329:4 331:13 <b>availability</b> 22:11 30:20 141:6 310:6 <b>available</b> 29:22 47:11 96:9 113:9 113:15 126:16 146:16 155:7 178:21 189:4 242:9 257:16 278:20 298:6 342:21 343:2 <b>ave</b> 346:1 <b>avenue</b> 3:5 <b>average</b> 93:16 97:13 192:16 193:1 194:8,11,15 195:20,20 205:5 214:24 244:19 245:14,15,15 246:4,9 <b>avoid</b> 265:20 <b>aware</b> 15:7 20:17 23:1,4 24:18,24 25:5,6,7,8,9,11,24 33:23 40:6,11,17 41:8 51:16,19 53:3 56:17 78:14 84:24 85:13,17 109:19 114:6,7,7 190:23 257:18	258:6,8,18,22 259:16,18 274:1,4 283:6,16,18 293:13 330:11,17 331:21,23,23 333:15,22 335:12 <b>awhile</b> 320:3 <b>awkward</b> 115:22  <b>b</b> <b>b</b> 97:11 136:12 164:20 <b>babies</b> 97:17 128:24 168:9 171:3,7,9 173:1,6 174:16 <b>baby</b> 46:6 97:19 168:12,19 169:18 169:19 170:8,9,14 173:1 174:12,13 174:14 <b>baby's</b> 169:20 <b>bachelor</b> 60:4 <b>bachelor's</b> 60:12 210:13 211:9 <b>back</b> 10:19 17:7 25:20 39:23 45:23 46:7 47:17 55:3 59:4,14 71:10 73:15 75:5 77:23 79:14 80:23 83:23 84:12 85:24 90:15 109:24 110:10 114:17 115:5,10 124:20 125:21 131:4 140:8 143:5 144:1 149:9 157:2 158:4 161:5,14 166:21,24 175:7 175:15 176:3 181:3 189:16 190:5 205:19	206:1 209:1 212:9 221:1 226:19 227:3,23 228:17 228:19 236:1 237:8 240:23 242:2 244:7 246:10 253:19 278:1 282:23 289:6 291:16 293:9 307:13 321:1 322:19 328:12 332:19 333:17 346:15 <b>background</b> 60:2 116:13 119:21 129:2 136:23 139:3 158:5 165:21 <b>backwards</b> 213:3 304:5 <b>bad</b> 44:20,21 46:14,21 72:3 73:11 74:12,18,19 74:19,20 76:7 131:1 163:6 179:11 262:24,24 <b>bag</b> 197:24 198:1 <b>balance</b> 329:19 <b>balancing</b> 273:8 <b>ball</b> 33:3 <b>bankrupt</b> 45:9 <b>bar</b> 245:18 <b>base</b> 83:9 <b>based</b> 11:19 18:13 35:21 40:4 72:1 83:12 102:24 110:9 126:1 139:2 156:15 157:24 158:5 159:2 165:19 192:22 196:11,23 206:23	215:8 217:7,7,17 220:10,11 234:3 242:9 261:6 263:5 263:17 283:12 300:16 316:23 317:11 321:15 <b>baseline</b> 143:19,22 143:24 144:8 157:2,8 167:3 192:2,9,11,17,21 193:15 194:16,19 195:1 196:9 199:16 200:19,24 202:1,10,11 203:6 203:10,22 213:9 213:18 214:5,19 214:20 <b>basic</b> 152:2 <b>basically</b> 94:23 116:16 124:22 128:24 129:23 130:1,3 134:16 150:23 152:23 153:8 154:5 155:10,17 156:1 158:16 160:19 164:22 172:4 174:5 176:24 177:3 178:14,23 179:18 190:1 214:13 242:11 <b>basis</b> 22:13 58:15 66:9 77:20 98:12 128:3 133:5 137:4 165:18 220:4,5 221:15 225:5 323:20 <b>bates</b> 61:20 64:18 79:16 101:20 104:3,13 111:2 112:8 206:9 211:3
--	--	--	---

[bates - board]

Page 9

244:13 255:2,3,7 255:14 256:2 296:15 313:24 314:21 317:5 318:3 321:9 <b>bathrooms</b> 165:11 <b>bayer</b> 10:19 11:1 <b>bear</b> 338:20 <b>bears</b> 208:22 <b>becker</b> 315:12 <b>becoming</b> 43:3 92:12 127:17 149:22 162:7 196:1 221:13 223:14,20 224:10 224:15 281:10 <b>began</b> 77:18,19 150:10 163:23 164:16 197:6 276:15 330:9 <b>beginning</b> 8:10 36:19 73:6 241:20 319:9 <b>begins</b> 55:1 115:3 181:1 227:1,21 240:21 255:2,7 256:5 291:14 328:10 <b>begun</b> 156:2 275:14 <b>behalf</b> 8:12 11:10 11:18,21 25:17 28:15 117:23 118:3,5 186:15,21 186:22 188:8 234:18 239:21 289:15 <b>behave</b> 169:11 <b>behavior</b> 153:11 325:13	<b>behavioral</b> 317:22 <b>behaviors</b> 324:21 336:12,12,14,20 <b>beings</b> 74:20 152:19 334:6 <b>believe</b> 10:19 11:14,19 12:1 13:7 37:24 52:21 62:6 79:23 83:6 84:17 87:7 89:10 90:2 93:4,24 96:13 118:10 119:9,10 129:14 136:22 138:24 139:4,6,16 140:12 140:15 144:20 148:5 158:6,11 175:17 182:4,20 184:3,6,8 196:22 206:10 216:1 224:2 225:4 229:12 230:6,16 239:9 242:17,19 245:22 247:9 273:12 277:24 307:18 311:15 315:8 318:2 320:4 329:3 342:23 <b>believed</b> 86:11 306:2 <b>believing</b> 221:15 <b>benefit</b> 73:16 <b>benzodiazepine</b> 132:18 336:17 <b>benzodiazepines</b> 321:21 332:11 336:9 <b>best</b> 13:21 14:2,12 20:23 21:2 38:11 53:5 57:13 74:22 88:8 90:6 92:14	92:16 132:23 146:11 157:22,23 159:6 175:24 176:6 200:23 202:8,11 203:5 217:6 224:17 263:20 331:18 345:8 <b>better</b> 26:13 42:8 55:23 56:6 59:9 72:7 83:17 132:10 135:8,11 179:12 187:12 243:11,14 250:6 279:18 <b>beyond</b> 17:15,21 27:14 28:3 29:8 40:22 83:11 173:20 213:6 242:6 289:2 <b>biased</b> 173:19 <b>big</b> 103:10 106:12 106:13,17 107:3,5 107:7,9,12,13,15 107:18,21,24 108:2 147:12 <b>bigger</b> 164:9 <b>bill</b> 74:23 76:2 125:18,19 142:5,7 225:6 283:11 313:13 315:2 316:2 <b>billion</b> 97:19 174:17,18 <b>bills</b> 125:22 <b>binge</b> 325:14 <b>biology</b> 60:11,12 <b>biostatistics</b> 194:5 <b>bird's</b> 35:17 <b>birmingham</b> 63:5 65:5 68:13 120:4	<b>birth</b> 36:21 170:21 320:15 <b>births</b> 174:15 320:10,11 <b>bit</b> 9:10 23:10 60:2 67:10,14 69:1 86:21 88:10 100:13,19 106:19 115:22 116:14 140:7 146:4,13 151:13 160:12 163:4,15 176:18 178:4 179:20 189:16,16 197:11 210:20 224:24 242:2,5 247:3 262:16 277:1 280:21 304:13 323:10 328:1 <b>bits</b> 116:15 <b>black</b> 89:3 <b>blair</b> 174:5 <b>blame</b> 83:15 98:12 102:22 103:20 293:3 325:5 <b>blank</b> 104:7 131:12 <b>blood</b> 197:23 333:23 <b>bloodstream</b> 169:24 <b>blue</b> 24:11 245:11 245:18 <b>board</b> 40:18,18 41:9,10,18,24 42:4 51:16,16,19,23 52:5,9,12,16 53:3 53:12,13,17 54:3 85:13,21 86:2,3,6 86:14 91:14,17,21 92:8,10,13 122:9
---	---	---	--

122:11,12 124:18 124:18 133:18 134:11,15 135:7 188:16 189:5,7 251:16,18,24 264:2 274:1 <b>boards</b> 93:9 123:13 <b>bob</b> 8:20 16:10 232:14 235:21 239:7 240:6 <b>bodies</b> 131:5,11,17 131:18 165:15 <b>body</b> 132:13 139:10 151:19 154:6,20 158:7 177:6,11 <b>boggs</b> 5:14 308:9 <b>bolus</b> 277:3 <b>bombarded</b> 74:6 <b>bones</b> 66:2 <b>boone</b> 5:4 12:7 <b>border</b> 248:23 <b>born</b> 97:17 168:19 171:4 172:5 <b>bottom</b> 76:15 79:18 96:19 100:20 111:10 160:19 204:17 215:21 263:15 340:12 <b>boulevard</b> 2:5 <b>box</b> 14:21 15:3,6 38:1 245:12 262:23 <b>bph</b> 296:24 <b>brain</b> 152:3,4,5 153:1,8,9,16,19,20 154:5,6,11,19 155:8,9 158:4 160:4,8 169:20	170:1 177:15 279:16 332:24 333:11,23 334:17 335:2,6,17 <b>break</b> 51:7,9,11 54:18 96:24 99:17 99:20 114:16 179:21 180:17 226:18 231:6 286:9,11 328:2 <b>breaking</b> 342:19 <b>breaks</b> 138:5 177:1 334:23 <b>breathing</b> 335:1 <b>bridgeside</b> 2:5 <b>brief</b> 16:6,19 59:8 <b>briefly</b> 30:11 120:16 181:6 <b>bring</b> 138:11 <b>broad</b> 35:17 65:21 159:1 <b>broadly</b> 18:13 22:8 42:8 90:2 151:17 <b>broke</b> 46:7 <b>broken</b> 66:2 <b>brought</b> 28:15 85:5,11,12 125:8 129:23 233:2,5 <b>budget</b> 45:7 <b>budgets</b> 136:15 <b>bug</b> 81:13 <b>build</b> 218:2 334:10 <b>building</b> 132:3 <b>built</b> 334:12 <b>bullet</b> 80:10 90:18 91:11 101:22 104:1 131:24 252:5,7,18,23 253:2 315:2,9 316:1,21	<b>bullets</b> 107:8 <b>bunch</b> 168:1 <b>buprenorphine</b> 160:6,13 <b>bureau</b> 9:15 22:17 30:9 31:8 39:19 42:16 48:10,23 91:8 101:13 183:12,18 184:5 184:21 206:24 243:5 250:22,24 251:19 296:23 301:4 315:11,12 317:20 326:2 <b>burling</b> 2:19 8:16 8:17 117:2 <b>business</b> 60:18 63:6 120:8,9 <b>bust</b> 163:6 <b>busts</b> 179:14 <b>busy</b> 122:14 <b>butyrnl</b> 302:15 <b>buy</b> 149:5 <b>buying</b> 280:16 <b>c</b> <b>c</b> 5:5 7:1 12:8 97:7 106:6 136:12 234:5 <b>ca</b> 346:24 <b>cabell</b> 1:11 7:16 17:2 21:18 22:9 27:4 28:16 32:7 97:3 115:8 117:17 118:16,23 119:3 137:10 138:16 140:1 148:7 172:14 182:2 187:6,17,20 234:24 239:22 240:3 275:20 293:14 295:21	296:18 297:1,11 299:4 340:6,7,10 340:15 342:6 <b>cabinet</b> 149:19 223:11 225:19,21 226:2,10,14 294:1 294:21 315:3 316:2 <b>cabinets</b> 294:24 <b>calculated</b> 174:11 <b>call</b> 5:17 24:24 50:5 52:4,8 81:11 82:13 117:3 156:22 178:9 232:20 244:23 251:9 272:9 308:13 309:18 <b>called</b> 9:5 24:14 30:2 44:15 71:16 82:10 89:10,12 123:3 125:19 152:12 164:13 168:14 171:9 172:3 270:7 325:6 329:4 334:11 <b>calling</b> 293:2 312:19 <b>calls</b> 16:19,21 133:7 296:19 <b>came</b> 71:15 <b>camera</b> 115:20 116:6 <b>campus</b> 72:16 121:11 <b>cancer</b> 66:1 140:19 144:11 145:5,23 196:12 197:18 222:8 281:4,6,8 <b>cancerous</b> 334:20
--	--	--	--



<b>cannabis</b> 320:12	<b>case</b> 6:23 11:2,5,6	<b>categorization</b>	272:17 281:16
<b>capacity</b> 130:7	11:23 12:14 13:6	261:5	282:1,11,13
176:9 183:17	15:9 17:3 18:8	<b>categorize</b> 261:13	306:17
184:4 187:8 217:1	21:16,24 22:4,5	262:21	<b>certainly</b> 31:12
252:11	23:15 25:17 26:10	<b>category</b> 263:4,6	64:12 67:20 73:21
<b>capita</b> 111:17	26:11,16,18,19,21	<b>causal</b> 312:13,17	137:16 161:21
112:10	27:7,19 28:15,20	<b>causative</b> 168:9	167:1 186:7
<b>caption</b> 344:6	30:13,15,17 31:10	<b>cause</b> 85:23,24	197:19 274:17
<b>cardinal</b> 2:10 8:12	33:13,14 34:22	130:12 148:5	275:15 336:20
8:14 9:12 21:22	35:4 53:6 54:8	175:9 221:7	<b>certainty</b> 90:11
55:6,8,12 56:16	110:8 116:4	302:11 336:14	181:17,18,18,18
57:1 59:2 188:9	117:24 118:22	<b>caused</b> 77:22 83:5	194:17 195:3
<b>care</b> 45:4 64:4,22	173:23,23 185:20	150:5 166:1 168:5	199:20 200:8
65:10,12 68:4,23	185:21 187:18,20	274:6	251:6 298:7
71:21 72:8,24	231:7,9,16,19,20	<b>causes</b> 96:3 98:23	<b>certificate</b> 93:13
75:9 77:17 78:2	231:22,24 232:4	137:1 139:22	348:11
85:7 90:20 129:3	232:24 233:16,17	243:9 278:16	<b>certificates</b> 62:23
136:14 144:7	233:19,21,22	321:22 330:4	93:14
148:2,11,11	234:8,10,11,14,17	<b>causing</b> 59:10	<b>certification</b>
149:12 155:16	235:1,2,3 236:21	153:1	122:13,15 347:1
157:9 159:7,14	237:5,11,17,18	<b>caveat</b> 33:22	348:1
171:19,20 193:15	239:5,6 240:4	108:23 330:18	<b>certified</b> 122:9,11
196:14,20,23	257:3 258:6	<b>ccr</b> 344:20	345:17
197:4,5,15 204:6	272:14 288:10,18	<b>cdc</b> 58:3 94:23	<b>certify</b> 344:5,8,11
222:4,4 223:3	289:1,10 290:16	123:20,22,24	345:4
258:24 259:1,10	290:16,22 330:12	127:1 134:12	<b>chain</b> 6:2,5 40:23
260:19 261:14,19	346:6 347:3 348:3	142:19 188:21	105:2 109:19
262:12 263:5,9,23	<b>cases</b> 10:12 11:9	225:3 271:14,15	246:19 266:9
271:13,21 272:5	11:13 59:16 81:12	272:7 325:12	339:6,19 340:5
<b>career</b> 71:18	82:11 117:18	<b>cdc's</b> 224:17,22	<b>chairman</b> 97:23
<b>cares</b> 281:11	136:14 151:3	<b>cdcs</b> 215:7	142:15 174:5
<b>caretaking</b> 84:6	171:17 197:18	<b>celebrex</b> 75:14	<b>challenge</b> 5:23
84:18	234:19 241:21	<b>cell</b> 7:7	58:14 103:4
<b>carey</b> 2:14	290:20 297:1,2	<b>cellular</b> 7:6	106:21 303:21
<b>carfentanil</b> 302:6	<b>cash</b> 74:17	<b>census</b> 206:24	321:24 324:16,18
302:17	<b>casualties</b> 75:19	<b>center</b> 2:20 24:11	324:24 326:15
<b>carnage</b> 22:7	<b>cataloged</b> 125:6	68:17 318:14	327:13
130:8 265:20	<b>categories</b> 144:19	<b>certain</b> 93:4	<b>challenges</b> 35:3
<b>carnal</b> 131:21	213:3,5 261:20	199:24 200:18,22	58:16 69:2 71:22
<b>carolyn</b> 255:9	262:1	216:3 239:18	72:19 80:13 81:3
		248:1 251:10	81:6,16 103:2

136:13 <b>chan</b> 121:18 <b>chance</b> 13:7 18:23 142:24 143:2 144:17 218:19,21 <b>change</b> 77:18 78:9 79:4 129:8 144:10 144:14 146:3 148:2,10 153:11 155:17 157:8 161:16 167:24 193:14 196:14 199:14 222:3 258:23 259:1,4,7 259:10,16,17 260:18 263:9 329:21 341:18 346:13,14 348:8 349:3 <b>changed</b> 140:16 144:7 146:7 148:11,15,17 149:11,15 156:10 193:3 196:20 197:5,15 222:4,8 222:10 223:3,6 263:22 <b>changes</b> 89:13 104:22 138:10 144:13,18 193:19 194:20 205:1 346:12 347:7 348:7,9 <b>changing</b> 77:21 78:7 79:3,12 157:15,16 261:19 <b>chapter</b> 344:15 345:7 <b>characteristics</b> 135:8 159:17 243:14	<b>characterization</b> 291:2 327:17,22 <b>characterize</b> 73:11 <b>charge</b> 11:16 <b>charitable</b> 71:16 <b>charity</b> 73:3 276:8 <b>charleston</b> 2:16 70:12 71:12 79:20 80:9 90:17 91:1 121:6,11,14 131:23 <b>chart</b> 274:22 275:12 307:23 <b>charts</b> 96:6 <b>chase</b> 2:15 <b>chats</b> 16:6 <b>cheap</b> 278:20 <b>cheaper</b> 47:11 278:16 <b>check</b> 38:2 52:3 61:11 89:5 90:8 181:8 <b>chemical</b> 152:12 176:22 177:4 284:4,7,9 <b>chemically</b> 177:8 177:13 <b>chemicals</b> 258:17 <b>chest</b> 63:1,10 <b>chhd</b> 296:19,24 <b>chicago</b> 62:17 <b>chief</b> 22:18 58:12 125:15 127:13,22 128:18,19 130:19 132:11 253:2 301:5 309:11,13 <b>child</b> 45:5 93:6 133:12 147:21 174:8 264:21 <b>childhood</b> 205:15	<b>children</b> 45:4 137:6 150:3 155:3 293:16 <b>china</b> 94:22 <b>chip</b> 176:2 <b>choice</b> 141:19,20 <b>choosing</b> 325:16 <b>christenson</b> 2:4 <b>christina</b> 255:10 <b>christy</b> 5:19 303:16 341:6 <b>chronic</b> 87:1 140:17,23 141:1 335:20 <b>circuit</b> 5:4 12:6 315:4 316:3 <b>circumstances</b> 31:14 116:4 141:24 <b>cited</b> 225:3 318:13 <b>cities</b> 46:7 126:20 138:6 <b>citizens</b> 272:22 <b>city</b> 1:4 2:20 7:15 17:3 21:18 22:9 27:4 32:7 44:3 68:24 70:13 115:8 117:17 118:5 131:2 182:2 186:23 187:6,16 234:22,24 239:11 239:14 240:3 346:6 347:3 348:3 <b>civil</b> 1:6,13,20 5:5 7:19 12:7 237:16 347:5 348:5 <b>civilization</b> 167:7 <b>civilizations</b> 166:7 <b>claim</b> 245:7 <b>claims</b> 326:20,22	<b>clandestine</b> 164:14 <b>clarification</b> 14:5 208:24 <b>clarified</b> 237:9 239:8 <b>clarify</b> 64:15,17 87:8 214:9 234:16 333:1 <b>clarifying</b> 35:9 <b>clarity</b> 286:14 <b>clarity's</b> 235:5 <b>class</b> 80:2,11 81:9 82:5 90:19,21 94:14,17,20 95:5,7 95:23 96:2 <b>classes</b> 95:2 <b>clean</b> 70:21 298:20 <b>clear</b> 11:16 14:3 18:21 25:15 26:9 26:24 29:5 34:3 34:19,24 43:3 57:8 109:10 117:15 129:21 185:18,19 186:10 197:24 199:11 200:9,21 207:20 208:7 210:16 212:11,12 214:7 214:10 216:12 218:5 219:17 220:17,21 231:14 232:23 233:23,24 235:7 241:22 265:7 271:24 306:8 325:7,22 326:21 327:23 <b>clearer</b> 270:6 <b>clearly</b> 43:2,15,24 81:20 146:19 147:15,22 157:24 187:23 260:21,24
--	---	--	--

[clearly - coming]

Page 13

263:1 264:19 265:5,21 266:18 272:13 <b>cleveland</b> 346:2 <b>client</b> 17:22 238:20 240:8 <b>client's</b> 272:3 <b>clients</b> 234:18 289:16 <b>clinic</b> 64:23 68:12 71:16 73:3,10 74:2 276:8 277:10 277:10 <b>clinical</b> 40:1 71:13 72:14,15 75:9 120:20 121:4,9 142:20 <b>clinics</b> 64:9 74:17 138:13 <b>clock</b> 43:10 <b>close</b> 114:7 331:13 338:13 <b>closely</b> 42:12 123:22 290:22 <b>closer</b> 187:13 <b>closest</b> 113:23 193:2 214:20 331:11 <b>closet</b> 149:18 223:10 <b>coach</b> 50:11 <b>coached</b> 50:8 <b>cobble</b> 324:10 325:16 <b>cocaine</b> 307:7,11 307:12,14,20,23 307:24 312:4 318:17 321:20 324:4 336:4,5,8 <b>cocktail</b> 165:24	<b>code</b> 71:1 344:16 345:7 <b>codeine</b> 258:14 <b>coff</b> 226:16 <b>coffee</b> 226:17 <b>cognitive</b> 320:15 <b>colantonio</b> 3:3 4:3 8:20,20 12:11,16 14:23 15:2 16:9 16:24 17:18,20 18:21 23:7,11,19 23:24 24:6 25:2,7 26:6,8,20 27:1 28:21 30:4,16,23 31:11 33:1,15,19 34:2,18 48:1 49:18 50:13 51:5 51:8,13 52:19 53:15 59:20 62:4 68:3 73:14 87:13 88:6 99:14,23 100:2,5 104:16 106:1,15 108:9 114:20 115:12,13 115:18,21 116:2 117:11,19 118:1,9 118:13,19 119:5 119:18,19 179:24 180:3,7,12,16,20 181:11,13,21 185:13,16 186:12 186:16 187:8 193:7,10 195:4,9 198:23 199:5,18 200:13 202:13 203:14,24 205:20 205:23 206:6 207:16,24 210:15 210:19,23 214:6 216:18,22 217:21 218:8,10,22 219:5	219:17 220:1 221:17,23 225:22 226:5,20 227:19 228:15 229:2,17 230:3 231:11 232:7,22 233:20 234:13 235:4,13 235:16,20 236:7 236:22 237:10,17 237:24 238:12 239:9 241:6 248:10 249:22 250:18 252:9 261:15,23 266:2 266:22 267:2,13 267:21 268:4,14 270:3 271:2,10 272:20 279:21 280:8 286:20 287:5,7,12,18,24 288:3,9,15 289:3 289:21 290:2,13 290:24 291:4,8 294:22 299:1 304:8,15,20 308:3 310:11 312:18 322:7,24 323:13 326:16 327:1,9 328:4 332:18 338:3 339:2,4 342:14 343:7 346:5 <b>colantonio's</b> 229:1 229:5,16 230:2 236:6 237:4 238:10,17 239:11 241:4,11 310:13 338:8 <b>cold</b> 67:17 <b>colleagues</b> 72:2 73:8,20 74:11	75:23,24 77:5,10 264:9 <b>collect</b> 246:14 <b>collected</b> 20:17 101:3 <b>collecting</b> 58:10 <b>college</b> 68:16 69:7 121:1 <b>colloquial</b> 119:15 <b>combination</b> 279:13 321:21 <b>combinations</b> 279:4 <b>combine</b> 160:17 <b>combined</b> 70:13 279:5 <b>come</b> 22:14,23 29:20 45:23 56:13 56:14 74:15 81:23 82:16 84:16 88:1 94:4 109:17 114:17 142:12 148:23 150:14 161:5 185:7 193:16 200:2 201:2,20 222:15 224:12,13 226:19 232:11 238:19 249:2 260:19 298:21 342:3 <b>comes</b> 32:2 85:17 88:15 92:1 107:5 147:4 201:15 215:13 272:8 334:22 <b>coming</b> 43:16 45:10 58:2 74:7 76:13 86:8 131:19 136:21 138:15 150:22 198:12 215:23 259:22
---	--	--	---

[coming - conducted]

Page 14

260:3 285:21 <b>comment</b> 267:3 <b>comments</b> 123:24 187:15 297:23,24 298:18 <b>commission</b> 1:11 7:16 78:18 183:20 240:3 259:3 309:24 310:4 329:9,18 344:17 347:19 348:25 349:25 <b>commissioned</b> 144:22 224:2 329:5 344:5 <b>commissioner</b> 9:15 18:15 19:17 20:3 22:17 30:9 31:8 35:16 39:19 40:14 41:15 43:2 48:10,23 52:6 55:6 56:20 57:10 57:15,21 59:5 85:3 86:4 91:3,7 91:12,23 92:2,4,9 96:8 103:4 106:22 113:24 124:14 125:13 138:14 143:7 161:18 183:11,18 184:5 184:21 199:22 202:23 217:1 250:21 251:7 300:9 309:23 310:3 326:2 328:22 <b>commissioner's</b> 143:6 <b>commissioners</b> 50:1	<b>commissioning</b> 299:6 329:14 <b>committee</b> 6:10 142:16 161:23 254:16 255:18 321:3,12,15 <b>committees</b> 48:22 <b>common</b> 201:21 201:23 202:18 <b>commonly</b> 320:13 <b>commonplace</b> 44:7 <b>communicate</b> 95:1 102:24 <b>communicated</b> 53:24 <b>communication</b> 28:5 314:23 <b>communications</b> 29:12 94:15 315:23 <b>communities</b> 50:3 81:4 113:19 <b>community</b> 47:1 80:12,16,18 81:1,6 81:14 82:23 83:7 84:6,18 85:7,8 86:13 135:20 137:6,7,8 150:2 161:12 169:9 192:22 206:24 225:11 259:13 277:19 300:15 <b>compare</b> 137:24 147:10 202:16 336:2 337:1,20 <b>compared</b> 110:19 147:13 167:9 209:7 336:6 <b>compares</b> 335:9	<b>comparing</b> 157:10 305:13 336:8 <b>comparisons</b> 335:23 <b>compelling</b> 147:2 <b>compete</b> 97:9 <b>complaint</b> 18:8,10 18:17 59:16 <b>complete</b> 62:15,19 <b>completed</b> 64:1,10 64:21 65:4 346:15 <b>completely</b> 276:19 276:20 <b>completion</b> 104:14 <b>complex</b> 103:5 106:23 <b>complexities</b> 103:1 <b>compli</b> 286:21 <b>compliance</b> 317:20 <b>components</b> 42:14 337:6 <b>compound</b> 177:12 <b>compounds</b> 65:22 177:1 337:6 <b>comprehensive</b> 55:24 95:17 256:18 <b>comprehensively</b> 56:12 <b>compromise</b> 142:19 <b>computer</b> 310:20 <b>computer's</b> 100:12 299:18 <b>concede</b> 247:10 <b>concepts</b> 69:23 <b>concern</b> 53:10,13 53:22 73:13 75:2 82:2 302:12 327:7	<b>concerned</b> 75:10 75:11 88:12,14 <b>concerning</b> 70:3 116:19 143:1 304:23 <b>concerns</b> 323:18 327:11 <b>concludes</b> 343:10 <b>conclusion</b> 193:16 194:2 198:6 200:2 201:3 220:19 <b>conclusions</b> 116:18 146:6 185:3 <b>concurrent</b> 297:6 <b>condition</b> 143:12 196:4 197:22 <b>conditioned</b> 131:3 131:9 <b>conditioning</b> 71:3 <b>conditions</b> 66:9 69:18 141:2 157:6 157:14 196:3 197:13,16 211:20 212:5,9 <b>conduct</b> 47:24 49:4,15 52:10 53:11,23 54:10 82:19 199:9 201:17 217:4 251:21 270:24 271:6 <b>conducted</b> 7:21 124:22 132:6 186:21 200:1,2 201:1,2 216:16 217:20 218:1 243:5 266:3 285:3 296:23 315:5 316:3
---	---	---	---

<b>conducting</b> 19:10 83:17 84:7 199:20 <b>conference</b> 5:21 303:18 305:4 <b>conferencing</b> 7:22 <b>confidence</b> 159:21 <b>confidential</b> 85:15 <b>confines</b> 135:4 329:13 <b>confirm</b> 231:6 <b>confirmation</b> 72:13 <b>conflate</b> 28:10 <b>conform</b> 250:1,2 <b>conforms</b> 202:18 <b>confounded</b> 170:5 <b>confused</b> 210:20 213:7 218:23 316:7 <b>confusing</b> 26:10 40:9 304:14 <b>congress</b> 255:18 326:24 <b>connection</b> 21:12 118:24 123:21 176:21 283:20 <b>connolly</b> 2:11 8:12 <b>consensus</b> 259:14 <b>consequence</b> 79:1 132:1,1 140:19 222:21 243:12 285:19 <b>consequences</b> 22:12 40:16 56:4 67:22 72:20 75:21 96:17 99:5 106:6 137:7 139:12,24 149:4 154:17 172:17,22 <b>conservative</b> 174:22,23	<b>consider</b> 30:19 66:21 141:16 143:23 208:8 209:19 210:4 211:12 212:16,17 213:24 214:2 268:9 269:22 337:14 <b>consideration</b> 196:11 212:20 <b>considered</b> 234:3 236:16 329:10 <b>considering</b> 208:10 <b>considers</b> 321:15 <b>consistent</b> 214:8 214:11,22 216:12 285:24 305:20 322:4,9 <b>consistently</b> 167:19 <b>construed</b> 144:8 327:11 <b>consult</b> 69:2 72:12 <b>consultant</b> 34:21 227:6,17 228:2,13 230:6,8,12,18 231:1,16,21,24 232:24 234:10 241:7,12,16,18,24 <b>consulting</b> 229:15 230:1,1 236:6,15 238:9 241:4 288:4 <b>consumed</b> 75:17 330:9 <b>contact</b> 17:6,11 25:16,24 28:11 29:17 40:17 86:1 <b>contacted</b> 27:3,6 28:14 59:6 241:23	<b>contain</b> 142:7 <b>contained</b> 185:9 <b>contains</b> 15:7 219:21 <b>contaminated</b> 179:3 <b>contamination</b> 277:4 <b>contd</b> 3:1 6:1 <b>contemporary</b> 5:22 81:3 142:23 303:20 <b>content</b> 322:14 <b>context</b> 33:13 55:12,15 59:13 144:24 149:11 221:5,19 223:2 256:24 257:19 260:18 267:15 322:8,10,15 323:8 324:1,6,8 326:7 <b>continue</b> 7:10 80:8 99:19 141:5 153:23 169:17 278:13 <b>continued</b> 17:15 52:24 54:24 73:2 115:1 136:11 150:10,18,19 180:24 226:24 240:20 275:16 291:13 328:9 333:9 <b>continuing</b> 230:13 <b>contradictory</b> 70:1 <b>contribute</b> 325:3 <b>contributing</b> 301:6 <b>control</b> 6:12 44:19 44:24,24 45:6	49:23 125:11 137:19 154:19 171:10,13 195:1 254:19 255:23 281:7,19 294:20 294:24 296:17 300:16 <b>controlled</b> 36:13 37:22 38:17 39:1 39:13 40:10,19 42:1,14 48:4 49:24 50:9,22 51:1 89:11 94:2 127:9,10 189:21 189:22 191:1 213:20 247:14 250:6 251:12 257:22 270:8,17 <b>controlling</b> 45:7 199:13 264:8 <b>conversation</b> 25:10 54:14 72:6 161:3 289:5 304:23 <b>conversations</b> 7:6 17:1,15 27:15 52:11 54:10,12 <b>convert</b> 179:17 <b>convey</b> 209:24 210:2 <b>conway</b> 124:7 <b>cool</b> 328:3,4 <b>cop</b> 253:9 <b>copied</b> 339:24 <b>copies</b> 19:13 <b>copy</b> 12:18 13:6 24:1 218:20 298:20 <b>copying</b> 15:21 <b>cord</b> 170:7
---	--	---	--



<b>cordamine</b> 334:23	228:3,14 231:12	<b>correlates</b> 103:23	<b>county</b> 1:11 5:5
<b>core</b> 330:22	231:22 234:12,23	<b>correlation</b> 113:10	6:3 7:16 12:7 17:2
<b>corner</b> 61:19	243:6,9 244:4	166:11 312:16	21:18 22:9 27:4
100:20 176:12	248:9 249:9 250:8	<b>cortex</b> 153:10	28:16 30:7,8 31:6
276:13 310:22,23	250:11,14,15,23	<b>cost</b> 45:2,5 172:24	32:8 44:3 70:13
317:17	251:3,17 252:5,6	174:11,19	70:18 71:7 97:3
<b>corp</b> 8:17	253:15,22 257:10	<b>costs</b> 97:18 174:6	115:8 117:17
<b>corporation</b> 1:8	257:13 259:5,23	174:7,8,9,9	118:16,24 127:14
1:14 2:17 7:17	260:4 262:6	<b>council</b> 48:13,14	127:17,18 133:18
56:19,23 57:6,14	269:16 270:18,21	51:24 85:4 128:8	137:10 138:16
59:3 346:6 347:3	271:1 272:19	<b>councils</b> 128:6	140:1 148:7
348:3	274:3,7 275:18	<b>counsel</b> 7:15 8:5	172:14 182:2
<b>correct</b> 13:8,14	278:21 279:13	29:12,13,14,18	186:15,22 187:6
14:22 24:16,17	282:17 284:5,8,10	50:8,10 59:6	187:17 235:1
38:9,19 39:2,7	284:13,22 292:19	99:18,21 101:2,3	239:22 240:3
41:11,15,19,20	295:13 300:2	114:17 115:7,13	275:21 293:13,14
48:11,14,15,18,24	302:8,21 303:5	116:24 117:7,16	293:14 295:21
52:1,6 53:14,20,24	306:6,7,12,15,20	117:17,23 118:8	297:1,11 299:4
57:11 60:13 86:23	306:21,23 307:21	118:12 124:5	314:15 339:8
87:12 88:20 91:3	309:12,18 311:5	166:23 185:21,23	340:6,8,11,14,16
91:8 94:10,11	311:12,13,16,19	185:24 186:2	341:24 342:5,5,6
101:16 108:8,15	311:22 312:3,11	204:4,5 214:14	342:18,21 343:1
108:18,19 110:20	312:15 313:13	221:6 231:9	344:2,4 345:2
111:21,24 112:11	315:24 317:17,24	233:18 234:10,11	347:10 348:15
117:19 118:9,16	321:3 330:5,6	234:22,24 237:4	<b>couple</b> 51:10 81:8
119:1,23 120:5,13	332:12,14,16	238:18 239:4,7	154:3 182:3
120:18 121:7,15	340:4,16,19,20	240:2 286:16	328:21 336:9
121:19,24 122:19	342:1	288:22 289:8	<b>course</b> 49:14
123:14,17 127:15	<b>correction</b> 112:18	290:19 297:12	93:11 102:8
129:5 140:11	<b>corrections</b> 346:12	344:12,13	141:10 189:11,14
182:6,19 183:6,7	348:17	<b>counsel's</b> 221:6	193:13 229:15
183:13,14,19	<b>correctly</b> 80:14	<b>counseling</b> 159:6	230:1 236:5 238:9
184:22 185:4,9	91:18 102:2 202:7	<b>counter</b> 145:15	241:3 294:6
190:17,19 192:12	246:6,7 256:21	257:16,21 258:8	<b>courses</b> 65:15,19
196:24 200:12,15	297:4 301:8,16	<b>country</b> 50:2	69:11 70:2,5
202:12 203:7	306:3 315:7,13	80:24 97:8 104:23	<b>court</b> 1:1 5:4 7:18
207:4 209:11	318:20 319:23	110:20 124:2	7:24 8:24 12:7
210:10 211:4,9,10	320:17 322:2	126:20 129:19	14:11 26:5 187:9
213:21 214:5	344:9	132:24 147:18	227:11 228:7,17
215:12 216:17	<b>correlate</b> 114:1	205:12 256:11	228:23 230:4,5,15
223:24 227:7,18		273:4 280:11	230:17 231:4

[court - days]

Page 17

236:2 253:20 308:19,24 347:7 <b>courteous</b> 17:14 <b>courtesy</b> 27:12 28:4,18 <b>courtroom</b> 13:17 <b>cover</b> 64:5,16,16 183:3 255:1,8 295:12 298:19 299:20 304:6,12 304:18 309:7,8 338:16 <b>coverage</b> 74:5 <b>covid</b> 116:4 <b>covington</b> 2:19 8:15,16 117:1 <b>craig</b> 174:5 <b>create</b> 42:21 101:14 124:19 125:10 128:13 175:22 316:14,16 <b>created</b> 96:6 101:11,12 177:19 220:12 <b>credible</b> 46:22 214:16 <b>credibly</b> 215:17 <b>crescendo</b> 246:3 <b>criminal</b> 45:14 93:7 253:10 256:12 <b>crises</b> 72:18 95:20 <b>crisis</b> 6:11 11:8,15 11:20 32:6,20,21 32:22 34:14 35:12 40:16 42:20 45:9 45:24 49:10 52:14 52:23 55:16,17,24 56:8,12 59:9 81:3 83:4 94:16 95:1 95:13 96:2,10	98:1,7 99:5 101:23 102:9,11 103:14 108:21 128:13 133:22 136:8 139:17 142:23 144:23 145:1 156:16 158:10 163:23,24 164:1,2,2 169:2 242:1 254:18 255:22 256:6,8,12 275:14,14 279:1 321:16,19 324:2 329:10,15,24 330:4,23 <b>criteria</b> 202:3 <b>crook</b> 155:6 <b>cross</b> 124:15 248:23 <b>crouch</b> 313:13 314:14 315:3 316:2 <b>crr</b> 344:20 <b>cry</b> 165:9 178:10 218:2 <b>crying</b> 168:22 <b>csi</b> 124:23 <b>csm</b> 89:12 248:23 249:2 250:11,13 250:23 251:6,8,17 252:1,13,13,16 <b>ct</b> 6:23 23:15 <b>ct2</b> 6:21 99:11 <b>curb</b> 47:18 86:8 <b>cure</b> 163:21 <b>cured</b> 158:13 <b>current</b> 26:19 37:21 56:7 164:2 209:16 311:17 <b>currently</b> 28:19 29:7 30:12,14	63:19,21 94:8 <b>curstory</b> 314:11 <b>curve</b> 196:7,10 <b>cut</b> 14:19 164:9,16 170:7,8 179:3 228:21 254:5 283:8 292:6 <b>cv</b> 128:6 <b>cycling</b> 173:17 <b>czar</b> 125:14  <b>d</b> <b>d</b> 7:1 9:4 <b>daily</b> 58:15 65:22 66:8 69:15 73:21 98:12 128:3 133:5 137:4 165:18 200:5 201:7 <b>dam</b> 46:7 137:24 138:1,5 <b>dan</b> 341:6 <b>daniel</b> 341:6 <b>dark</b> 136:6 245:11 <b>dashboard</b> 285:20 <b>data</b> 5:20 58:10 68:5 74:9 75:3,7 79:8 83:11,22 96:10 111:9,13,18 112:1,3,6 114:2 132:23 134:20,24 135:2 190:6 202:20 203:19,20 209:16 211:20 220:6,14,15 248:23 249:1 250:7,11 251:17 252:1 280:18 296:7 303:17 306:13 318:10 323:8 325:12,18 325:19,21,23 331:2,18,23 332:6	335:9,13 336:1,7 337:24 342:7,8,8,9 342:11,19 <b>database</b> 90:9 249:20 250:20 251:12 <b>date</b> 25:4,6 36:21 55:9 61:12,14 102:6 207:9,10 209:10 317:21,23 346:8 347:3,9,19 348:3,13,25 349:20,25 <b>dated</b> 5:3,7,10,13 5:15,18,21,23 6:4 6:6,13,16,20 12:5 24:10,11 99:10 101:9 182:13 206:4 246:21 254:19 255:9 295:5 299:12 300:1,3 303:19,22 308:8,10,14 313:2 316:6 321:5 339:9 340:2,18 <b>dates</b> 17:7 62:11 <b>david</b> 2:14 8:13 <b>day</b> 1:21 51:4 58:8 74:4 92:3,6,6 105:16 107:17 114:11 131:19 176:7 212:5 216:2 263:15 265:16 267:9 273:17 275:8 276:21 296:22 338:19 342:16 344:17 345:10 347:16 348:22 349:22 <b>days</b> 126:5 127:7 149:15,16,21,23
---	---	--	---

[days - deponent]

Page 18

156:3 159:24 160:24 168:20 221:12 223:7,7,13 223:15,20 224:9 224:15 225:8,10 225:12,14,18 247:14 260:20 346:18 <b>dc</b> 2:12,21 <b>dea</b> 35:22 36:1,5,8 36:11,11,16,20,20 39:13,17 40:6,23 53:4,7 87:10 93:13,21 112:14 112:16 189:16,18 190:8,15,20 191:1 249:9 270:20 292:21 <b>dea's</b> 191:10 <b>dead</b> 125:1 131:5 131:11,15 135:9 165:15 <b>deadly</b> 67:4,21 98:10 <b>deal</b> 58:14 128:2,7 133:4 134:8,9 136:5 140:24 281:24 <b>dealer</b> 276:19,20 <b>dealers</b> 165:8 <b>dealing</b> 58:8 103:2 130:10 136:19 164:1,7 167:10 <b>dealings</b> 11:20 <b>dealt</b> 97:6 130:4 135:13 <b>dear</b> 346:10 <b>death</b> 6:6 58:15 103:23 113:11 124:11 125:3,4 126:6,11 127:7	138:6 158:18 161:5 166:21 243:12,13 244:3 246:20 302:12 331:15 <b>deaths</b> 5:23 22:6 43:4 58:8 105:11 124:21 127:6 130:22 131:1 156:9 162:8,9,12 162:20,23 167:11 167:13,13 168:4 182:12,19 183:4 218:14 243:9,15 243:16,17,24 256:10,16 274:16 301:7 302:7,18 303:6,8,9,22 305:9 306:2,6,9,10,16 307:12,20,23 318:12,18 331:12 342:16,17,18,20 342:20 343:1 <b>decade</b> 192:19 193:14,17,20 200:23 201:24 202:5,9,11 203:5 203:22 204:2 213:17 214:21 319:17 325:1 <b>decades</b> 205:6 <b>decedents</b> 132:8 132:14 248:14,19 <b>december</b> 127:20 127:21 255:9 300:3,5 303:5 <b>decently</b> 72:13 <b>decided</b> 76:3 84:13 <b>deciding</b> 90:9	<b>decision</b> 59:18,24 242:9 271:7 <b>decisions</b> 28:7 75:8 <b>decline</b> 264:23 <b>declines</b> 124:10 275:11 307:3 <b>decrease</b> 111:20 111:23 275:10 <b>decreased</b> 146:18 <b>deed</b> 347:14 348:20 <b>deemed</b> 346:19 <b>defects</b> 170:21,21 170:22,23 <b>defend</b> 179:11 <b>defendant</b> 2:10,17 9:5 <b>defendants</b> 1:9,15 1:19 7:15 9:12 11:11 21:20,21 257:3 258:6,12 <b>deficit</b> 171:12 <b>define</b> 151:14 312:13 <b>definitely</b> 83:15 <b>definition</b> 151:15 <b>degree</b> 60:3,5,16 63:5 90:11 119:22 139:5,7,17 181:17 194:17 195:2 210:13 211:9,24 <b>degrees</b> 60:15 62:13 201:13 <b>delhi</b> 60:7 119:23 <b>delivered</b> 15:4 130:13 148:6 168:7 170:8 <b>demand</b> 101:24 102:4 103:12 105:2 107:13,19	107:22,23 <b>demanding</b> 155:20 <b>demographic</b> 193:19 199:14 205:1 207:21 211:3,6 <b>demographics</b> 195:15 206:13 213:24 <b>demonstrate</b> 92:18,22 124:5 <b>demonstrated</b> 280:1 <b>demonstrates</b> 274:22 283:17 331:3 <b>demonstrating</b> 93:8 <b>dental</b> 143:13 <b>dentist</b> 260:20 <b>department</b> 22:22 59:7 70:13,14,15 91:1 121:21 124:15 296:18 297:3 301:1 314:2 317:15 326:1 346:22 <b>departments</b> 31:7 175:20 302:19 <b>depend</b> 272:11 <b>depending</b> 28:22 <b>depends</b> 88:22 89:2,3 <b>depo</b> 180:5 187:19 <b>deponent</b> 3:2 23:21 29:22 54:20 62:5 114:21 115:19 185:12 210:18 279:22 323:4,16 338:22 343:5,16
---	--	--	--



[deposed - differentiate]

Page 19

<b>deposed</b> 10:18 21:12 22:21 31:20 59:12 229:20 <b>deposited</b> 168:6 <b>deposition</b> 1:19 5:3 7:9,14,21 8:22 10:5,14 12:3,4,10 12:18,23,24 14:22 15:8,14,16 18:20 19:8 20:7,11 23:13,18 26:14 55:2 60:21 61:1 99:8,13 115:4 181:2 182:10 185:20 219:12 227:2,9,16,22 228:5,12 229:23 230:14,22 237:5 238:18 239:16,17 240:22 246:18 247:2 254:13,22 286:24 288:18 289:5,9,12 290:17 291:15 295:3,9 299:10,16 303:15 303:24 308:6,17 308:19 312:23 313:5 328:11 338:11 339:5,11 343:15 344:5,9,13 345:4 346:8,11 347:1,3 348:1,3 <b>depositions</b> 10:9 18:14 185:22 186:3,3 239:10,19 239:21 <b>depressants</b> 105:12 279:6 <b>depth</b> 175:14 258:11	<b>derivatives</b> 301:13 <b>describe</b> 36:10 37:21 41:21 73:12 86:10 129:8 297:7 302:4,4 <b>described</b> 120:15 134:7,9 139:3 140:9 143:1 160:22 <b>describes</b> 90:18 91:6 297:9 315:1 315:2,23 <b>describing</b> 279:14 <b>description</b> 96:5 105:20 <b>designated</b> 119:3 119:6 231:1,6 238:22 288:14,16 <b>designation</b> 240:10 <b>designations</b> 181:9 <b>desire</b> 277:23 <b>desires</b> 151:20 <b>destroyed</b> 132:4 277:20 <b>destruction</b> 58:15 103:23 113:11 138:7 <b>detail</b> 41:21 58:24 75:22 322:18 <b>detailed</b> 148:20 200:3 201:5,9 <b>detailing</b> 95:13 96:2 <b>details</b> 37:18 39:10 57:1 222:13 224:2 <b>detected</b> 301:5,14 302:17 <b>detectives</b> 81:18	<b>detectors</b> 81:18 <b>determinant</b> 212:19 <b>determinants</b> 211:22 <b>determination</b> 216:5 <b>determine</b> 13:3 190:9 192:21,21 199:15 202:11 203:5,22 205:17 206:14 207:12 208:1,4 209:3 215:2 285:3,9 <b>determined</b> 30:24 35:22 190:4 203:21 <b>determining</b> 109:11 192:10,17 193:13 199:12,16 200:19,23 209:19 210:5 211:12 213:17 214:2,4 <b>devastating</b> 56:7 <b>devastation</b> 59:10 <b>develop</b> 169:16 250:4 <b>developed</b> 42:8 131:11 258:1,3,4 285:20 <b>developing</b> 169:22 170:2,5 258:7 281:23 <b>development</b> 67:11 103:15 174:9 310:4 <b>develops</b> 170:4 <b>dhhr</b> 5:15,18,21 6:8,13,16 136:16 175:19 246:24 254:20 255:8	301:4 303:19 308:11,15 313:3 313:13 314:1 315:3,11,12 341:7 342:12 <b>diabetes</b> 197:23 <b>diagnose</b> 171:23 <b>diarrhea</b> 81:12 82:11 168:24 <b>die</b> 133:13,14 138:22 151:5 164:24 165:7,8 169:2 179:2 217:4 276:24 <b>died</b> 110:7,7 126:8 126:8,10 163:1 178:16 247:12,15 248:17,21 331:15 331:19 340:10,15 <b>dies</b> 167:4 178:7 <b>difference</b> 157:18 178:24 245:13 279:3 <b>different</b> 30:22 56:2 67:10 69:2,6 122:22 123:13 160:9 169:10 175:13 179:20 234:10,14 239:2 239:24 244:20 278:17 280:21 285:15 298:12 314:15,18 324:18 325:14 329:17 334:13,13,13 335:19 336:24 337:5,11,11 342:5 342:5 <b>differentiate</b> 35:4 168:16
---	--	---	--

<b>differentiating</b> 337:8	<b>disabled</b> 207:14 207:23 273:3	<b>disorder</b> 5:17 171:13 278:9	51:17,21 52:10
<b>differently</b> 169:12 263:17	<b>disabling</b> 140:17 140:21	308:12 309:17 324:15,17 325:9	53:1,11,23 54:11
<b>difficult</b> 10:20 42:6 55:14 66:14	<b>discern</b> 146:15	326:12	58:22 77:3 190:10
135:22 140:23	<b>disciplinary</b> 91:17	<b>disorders</b> 319:14	246:12 247:7
176:14 198:11	<b>disclosed</b> 23:2	319:14,16 320:12	250:10 257:17
224:24 298:8	233:13,15 234:5	<b>dispense</b> 39:5,13	258:13,19 259:19
<b>difficulty</b> 45:6	239:6 289:17	<b>dispensed</b> 43:18	265:14 266:5,7,8
<b>digits</b> 64:18	<b>disclosure</b> 233:24	88:5 89:24 90:1	266:11 268:20
<b>diligence</b> 82:19	<b>disconnected</b>	<b>dispensing</b> 39:16	270:9 274:3
83:18 84:7 130:2	227:12 228:8	42:11 82:22 105:6	292:22 294:20,23
265:16 266:4	<b>discriminate</b>	<b>dispute</b> 301:10,18	<b>district</b> 1:1,1 7:18
273:22	177:16	301:23,24 302:2	7:19
<b>dimes</b> 128:14,20	<b>discuss</b> 77:19 78:6	302:23 303:1	<b>diversion</b> 44:9,11
128:22 173:3	98:23 99:3 102:10	318:22	46:2 149:6,24
<b>diminish</b> 319:13	107:12 113:6	<b>disrespecting</b>	150:1,7 151:2
<b>diploma</b> 63:2	238:20 324:18	131:15	154:16 156:5,6
<b>direct</b> 29:16	<b>discussed</b> 62:13	<b>dist</b> 6:23 23:15	157:18 163:14
100:17 113:10	66:9 77:20 90:24	<b>distill</b> 103:5	193:22 223:16
117:6 166:10	103:18 199:14	106:22	225:15 226:3,11
296:14	206:20 288:10	<b>distinction</b> 232:6	260:11 261:22
<b>directed</b> 49:3	<b>discusses</b> 101:22	279:2	262:5,14,18
93:21 300:20	<b>discussing</b> 66:11	<b>distribute</b> 257:4,6	280:15 291:18,20
315:3	216:15 246:11	257:9,12	291:21 294:2,7
<b>directing</b> 231:2	<b>discussion</b> 90:21	<b>distributed</b> 266:16	328:23 330:22
<b>direction</b> 101:16	96:5 99:3 103:13	300:15,21	<b>diversions</b> 163:21
185:1	104:5,14,20	<b>distributing</b>	<b>divert</b> 154:23
<b>directions</b> 195:13	105:22 109:4,6,10	257:17 258:19	<b>diverted</b> 114:13
<b>directly</b> 136:7	109:12,14 110:11	<b>distribution</b> 35:14	150:20 155:13,24
137:19 169:3	110:16 225:9	35:19 39:16 40:10	156:5,6 157:23
268:24 331:22	227:10 228:6	40:12 41:7,14	163:16 166:11
335:4,16 341:3	235:19 242:7	42:1,10 48:21	169:4,7,15 178:20
<b>director</b> 70:17	329:3 340:6	105:5 137:22	178:24 204:12,14
123:23 127:1	<b>discussions</b> 53:24	193:21 292:17	216:7,7,8 249:1
317:19	95:3 289:10,11,19	<b>distributor</b> 76:24	260:10 262:4,19
<b>directors</b> 300:17	<b>disease</b> 63:10	77:7,12 268:7,12	278:10 280:12
<b>disability</b> 197:21	140:22 154:1,4	269:15	<b>divide</b> 245:21
208:4 209:2,6	278:4,8,10,15	<b>distributors</b> 35:24	<b>divided</b> 245:3
213:6	<b>diseases</b> 63:2	41:8 43:17 47:24	<b>doc</b> 81:12
	127:3	48:5 49:4,15	<b>docs</b> 44:20,21 76:7
			163:6 179:11
			262:24

<b>doctor</b> 8:21 9:9 12:12,16 15:4,13 15:24 21:11 23:5 23:23 24:9 25:15 27:3,22 29:11,13 29:20,24 30:2 31:3,18 32:18,23 33:3,11,17 34:11 34:19 35:7,13 36:10 38:23 46:1 47:15 48:9 49:13 49:20 51:15 54:19 55:5 60:16,19 61:5,13,18 62:20 73:7 79:14 94:8 98:17 100:1,14 106:21 114:14 115:13,14,23 116:3,11 117:4,5 117:16,22 118:22 119:20 150:13 155:1 180:5 181:14 182:1,17 183:11 184:3 185:11,23 186:21 187:4 188:1,7 191:23 198:17 199:7 203:4 205:18 210:9 211:1 213:8,16 216:14,21 217:13 219:8,20 221:1 227:5 228:1 241:1 242:24 244:7 247:5 248:24 254:12,24 255:11 275:2 280:20 286:8,14,17 289:20 295:2,13 295:14,14 298:15 298:22 304:3,22	309:6,13,15 310:16 312:21 315:12 322:10,17 323:1,11 325:7 326:6,21 328:13 328:18 338:5,17 339:13,17,21,22 343:3 <b>doctor's</b> 119:22 171:22 323:18 331:1 <b>doctors</b> 46:14,21 72:3 73:11 74:12 74:19 112:15 196:15 198:4,7,20 332:3 <b>document</b> 24:23 25:12 61:6,19 62:1 100:15 182:8 183:3 188:24 255:7,13 279:23 295:18 297:9,15 305:8 315:16 316:6,13,15,16 317:23 318:3 322:12,13,16,16 322:20 326:23 339:14 <b>documentary</b> 123:2,6 <b>documentations</b> 15:18 <b>documents</b> 15:7 15:10 18:6,19,23 19:7,10,11,15,19 19:20 20:1,1,6,13 20:18,21 21:4,5 62:1 93:2 100:24 101:1,5 182:5 184:9 188:11 189:9 306:22,23	314:23 <b>doing</b> 25:14 69:15 70:10 83:2 96:19 103:24 115:22 130:1 131:13 133:1 138:11 175:10 183:17 198:4 263:2,7 269:5 272:12 273:6,9 274:3 294:8 325:15 327:19 333:16 <b>dollars</b> 97:19,19 138:17 174:12,17 174:18 329:19 <b>donate</b> 73:3 <b>door</b> 88:15 133:6 <b>dopamine</b> 152:12 152:14,21 153:2,5 332:17,23 333:9 333:10,20 334:3 334:17 335:5,10 335:17,23 336:5 336:15,19 337:2,3 337:7,21 <b>dora</b> 6:14 312:24 313:8,10,17,18 <b>dose</b> 153:8 276:23 277:1 334:7,10,14 335:11 <b>double</b> 320:9 <b>doubt</b> 13:5 73:17 112:5 166:10 168:8 313:15,19 315:21 320:1,19 341:14 <b>douglas</b> 2:14 <b>downstream</b> 44:1 44:23 83:3 137:13 138:4,7,19,20 173:7 175:10	179:13,16 265:20 265:21 <b>downtown</b> 68:21 <b>dr</b> 5:3 12:4 187:15 227:15,20 228:11 228:16 315:10 <b>draft</b> 34:12 61:16 142:6 297:13,16 <b>drafted</b> 142:9 <b>dramatic</b> 148:6 221:7 <b>dramatically</b> 318:12 319:16 <b>draw</b> 79:15 <b>drink</b> 152:13 <b>drinking</b> 152:14 325:14 327:21 335:15 <b>drive</b> 75:8,8 150:18 <b>driven</b> 45:10 68:5 74:9 75:3 103:1 <b>driver</b> 72:21 104:6 256:10 <b>drivers</b> 104:8,11 104:15 105:23 106:14 107:6 108:6,12 109:12 <b>drives</b> 159:21 278:15 <b>driving</b> 71:20 273:6 <b>dropped</b> 74:8 <b>drops</b> 277:9 <b>drove</b> 150:17 <b>drowning</b> 44:2 <b>drug</b> 1:7,14 5:23 6:12 7:17 57:6,14 97:11 125:11,14 132:2 134:14 136:8 153:12
--	--	---	---

163:5 165:8 167:5 172:3 173:6 179:14 182:12,18 183:4 190:15 247:13 253:13,20 253:23,24 254:19 255:23 258:19 276:19,20 278:3,5 278:19,20 279:10 296:17 302:11 303:4,21 306:6 311:12 312:14,14 320:13 333:8,17 346:6 347:3 348:3 <b>drugs</b> 47:14 82:22 105:10 132:8,13 132:17,18,20,22 153:23 154:16 158:11 163:11,14 163:16,17 165:24 166:12 169:4,7 172:8 178:21 189:20 244:16,19 245:15,15 252:21 252:21 253:14,22 254:2,7 256:15 258:2 274:12 276:21 279:10 280:2,22 293:17 305:8,11,23 306:15,18,20 311:12 321:20 324:3 325:1,4 <b>dry</b> 275:6 <b>drying</b> 163:15,17 179:16 <b>due</b> 82:19 83:17 84:7 130:2 251:22 265:16 266:3 273:22 277:23	<b>duly</b> 9:6 344:4,6,7 <b>duty</b> 78:3 265:15 <b>dvts</b> 75:21 <b>dwarfed</b> 150:24 <b>dying</b> 46:9 98:2 125:5 126:4 151:10,10 <b>dynamics</b> 106:9 144:10  <b>e</b> <b>e</b> 5:6,9,13,14,19 6:2,5,14 7:1,1 17:6,8,12 27:10,13 28:1,17 61:7,12,14 242:21 246:19 255:1,9 295:4,12 295:22 298:20 299:11,20 303:16 304:6,12,19 308:7 308:9 309:7,8 312:24 313:7,9,12 313:16,20 316:11 339:6,19,20,21,24 340:2,5,13,18,21 341:3,4,9 <b>earlier</b> 39:4 77:2 85:19 86:1 128:9 184:15 185:17 239:9 251:15 260:2 277:24 284:11 324:20 329:2,17 333:2 <b>early</b> 169:1 283:12 <b>earth</b> 176:1 <b>ease</b> 323:18 <b>easier</b> 62:7 100:19 102:18 163:3,4 323:10 <b>easily</b> 100:8 <b>east</b> 2:15	<b>easy</b> 77:24 102:19 102:20 104:17 134:21 <b>eat</b> 152:9,10 <b>eating</b> 56:8 <b>eco</b> 94:22 <b>ed</b> 297:3 <b>edges</b> 45:8 <b>editor</b> 283:13 <b>editorial</b> 123:13 <b>educating</b> 46:2 82:12 <b>education</b> 62:9 63:16 66:6 94:20 95:18 133:18 203:1 319:20 <b>educational</b> 119:21 <b>effect</b> 246:3 <b>effects</b> 137:1 138:4 138:7 158:7,10 170:19 172:24 334:18 337:2,3,21 <b>effort</b> 98:11 142:22 148:10,18 222:3,11 <b>efforts</b> 44:1 175:13 <b>eight</b> 25:21 27:11 171:4 <b>either</b> 17:2 135:1 151:24 185:1 192:23 260:10 278:24 287:17 <b>elected</b> 293:15 <b>electronic</b> 37:11 88:22 <b>electronically</b> 21:2 <b>elements</b> 163:2 <b>elevated</b> 332:23 334:2	<b>elicited</b> 199:10 202:4 <b>eligible</b> 38:4 <b>else's</b> 293:17 <b>email</b> 346:17 <b>emanate</b> 94:4 <b>embed</b> 134:15 135:6 251:15 <b>embedded</b> 81:1 251:18 <b>emergency</b> 64:5 74:3 285:22 296:20 297:2 302:18 <b>emerging</b> 256:15 321:22 <b>empirical</b> 336:7 <b>empirically</b> 335:9 <b>emphatic</b> 147:8 <b>empirically</b> 337:1 337:20 <b>employed</b> 344:12 344:14 <b>employee</b> 56:16 57:3 135:7 251:18 252:1 344:13 <b>employees</b> 101:13 <b>ems</b> 124:17 296:21 <b>enclosed</b> 314:22 346:11 <b>encounters</b> 297:3 <b>ended</b> 125:22 142:21 <b>ends</b> 62:3 79:16 101:20 104:13 211:2 244:13 255:13 256:2 282:9 317:4 <b>enforcement</b> 130:6 132:1 134:19,23 163:5
--	--	---	--

165:3 190:15 256:14,19 272:2 294:19 <b>engage</b> 153:21 159:4 <b>engaged</b> 40:15 78:4 288:4 <b>engagement</b> 235:11 237:23 286:15 287:23,24 288:1 <b>england</b> 283:13 <b>enjoy</b> 172:19 <b>enormous</b> 45:5 <b>ensuing</b> 35:12 <b>ensure</b> 82:21 86:7 270:9 272:1 292:17 <b>ensuring</b> 19:11 81:2 95:16 264:4 264:10 292:23 <b>enter</b> 36:20 89:23 98:2 175:2 <b>entered</b> 348:9 <b>entire</b> 55:21 93:15 105:1 106:8 108:14 154:20 172:13 175:23 192:19 243:12 262:21 277:19 347:5 348:5 <b>entirety</b> 106:8 109:7 <b>entities</b> 27:6 123:13,17 <b>entitle</b> 231:23 <b>entitled</b> 1:20 6:10 117:5 230:6,16,24 254:16 316:22 <b>envelope</b> 100:6	<b>envelopes</b> 206:1 <b>environment</b> 68:24 214:3 263:22 <b>epidemic</b> 5:17 31:20 32:10 96:4 96:16 101:24 103:16 105:24 108:13,21 113:1 135:14 139:18 166:22 168:10 308:13 309:17 321:19 <b>epidemics</b> 96:16 <b>epidemiological</b> 194:6 <b>equally</b> 57:5 262:13 <b>equivalent</b> 170:10 <b>eric</b> 147:4 <b>errata</b> 12:19 346:13,18 348:7 348:10,18 349:1 <b>erroneously</b> 171:24 <b>errors</b> 13:8 <b>escalation</b> 153:7 334:7,10 <b>escape</b> 102:9 <b>especially</b> 136:23 140:18 169:2 337:19 <b>esquire</b> 2:3,4,6,11 2:13,14,18,19 3:3 3:4,8,9 346:5 <b>essence</b> 87:20 142:19 168:17 <b>essentially</b> 103:14 125:23 128:3 297:7	<b>establish</b> 17:11 <b>established</b> 89:13 224:16 324:4 <b>establishing</b> 17:10 <b>estimate</b> 217:7 218:3 265:2 <b>et</b> 1:8,14 5:4 7:17 12:6 347:3 348:3 <b>ethical</b> 148:21 222:14 <b>evans</b> 1:21 7:24 253:18 344:4,20 345:3 <b>event</b> 148:9 222:2 <b>events</b> 205:15 302:3 <b>eventually</b> 156:4 279:19 288:17 <b>everybody</b> 115:15 129:19 142:18 175:18 176:5 264:11 265:17 <b>everybody's</b> 102:13 <b>evidence</b> 72:1 74:10 75:3,8 102:24 126:1 159:2 186:20 193:23 199:1 200:10 208:23 215:8 245:7 259:18 263:5 274:9,10 316:23 317:11 321:15 326:19 327:15,16 327:18 <b>evidentiary</b> 180:5 <b>evidently</b> 231:8 <b>evolution</b> 109:1 161:15,16,19 165:17 166:12	253:23 275:17,20 279:15 <b>evolve</b> 163:23,23 254:5 275:16 <b>evolved</b> 103:22 279:2 <b>evolving</b> 6:11 79:12 108:21 254:17 255:22 256:6,9 275:13 <b>ex</b> 5:4 12:5 91:13 92:5 <b>exact</b> 80:3 89:18 282:12 285:7 333:22 <b>exactly</b> 17:7 40:2 50:4 51:2 64:15 71:9 89:18 217:9 231:13 282:15,24 284:19 333:18 <b>exam</b> 122:12 <b>examination</b> 4:1 9:7 116:1 117:6 122:15 181:23 188:5 310:13 328:16 332:18 338:8,23 <b>examine</b> 142:24 143:2 <b>examiner</b> 124:18 130:20 131:23 132:11 301:5 309:12,13 <b>examiner's</b> 58:13 131:6 252:5,23 253:3 <b>example</b> 41:7 67:13 75:12 76:1 81:19,21 82:15 83:1 88:11 94:16 96:14 123:6
---	--	--	--



[example - fact]

Page 24

124:16 144:11 145:6 194:22 195:19,21,22,23 197:17 201:16 243:20,22 258:14 259:2 264:5 276:6 306:11 327:12 330:13 337:9 <b>examples</b> 67:21 81:8 123:1 141:2 <b>exception</b> 134:1 <b>exclude</b> 338:8 <b>exclusive</b> 54:6 <b>exclusively</b> 33:7 38:22 109:2 197:3 249:4 305:22 <b>excuse</b> 257:14 259:12 <b>executed</b> 348:10 <b>execution</b> 347:14 348:19 <b>executive</b> 94:20 <b>exhibit</b> 5:1,3,6,9 5:13,16,19,22 6:1 6:2,5,9,14,17,19 6:22 12:2,3,10 13:11 23:5,13,18 60:20,21 61:1,2 64:13 90:15 99:7 99:8,13 100:9 182:11,15 183:22 184:2,13 205:18 205:19 214:1 218:7 219:4 244:8 246:17,18 247:2 254:12,13,22 295:2,3,9 299:9,10 299:16 303:13,15 303:24 304:2,4,6,7 304:11,11,12,13 304:19,22 305:1	308:2,2,6,17 309:6 309:7,8 312:21,23 313:5 321:1 339:1 339:5,11 <b>exhibits</b> 219:11 309:21 <b>exist</b> 272:11 331:23 <b>existed</b> 143:5 167:6 279:7 <b>existing</b> 59:23 270:13,14 <b>exists</b> 138:17 152:8 218:12 220:13 307:5 <b>expand</b> 173:5 197:8 <b>expanded</b> 289:1 <b>expanding</b> 197:10 197:11 <b>expansion</b> 90:19 145:18 <b>expect</b> 13:13 30:3 31:9 53:12 271:23 <b>expectations</b> 176:14 <b>experience</b> 18:14 30:5 31:4 34:13 36:11,16 41:4 116:13 129:3,4,8 134:6 136:1,23 139:2,4 158:6 165:22 200:3 201:5,9,12 202:24 203:1 217:7,18 285:24 337:18 <b>experienced</b> 143:24 330:19 <b>experiences</b> 132:20 234:4	<b>expert</b> 11:13 33:12 34:4,9,12 119:3,6 119:10,12 202:21 220:23 227:6,16 228:2,12 229:15 230:1,10,19,19 231:2,7,9,16,17,18 231:18,20 232:2,4 233:16,16 234:1,3 234:6 236:6,15 238:9,20,21,23 239:6 241:4,7,12 241:15,18,24 286:18 288:4 289:17 290:20,21 337:14,15,16 <b>expertise</b> 30:5 31:4,13,14 32:19 200:7 201:12 202:18,23 <b>experts</b> 94:21 125:9 230:9 <b>expiration</b> 347:19 348:25 349:25 <b>expires</b> 344:17 <b>expiring</b> 37:6 <b>explain</b> 26:13 102:15 108:12 109:16,17,18 115:6 196:4 208:14 211:16 213:13 290:3 <b>explained</b> 131:13 163:18 <b>explaining</b> 103:11 324:12 <b>explanation</b> 103:14 <b>exposed</b> 205:15 <b>exposure</b> 334:2	<b>expressed</b> 220:23 229:13,23 236:4 238:7 241:2 <b>expressing</b> 75:2 <b>extensive</b> 31:19 32:5 38:13 220:12 <b>extent</b> 32:2 33:19 36:7 38:14 57:18 79:4 99:1 109:19 187:3 190:12 215:10 264:7 296:5 330:14 332:6 337:4,12 <b>extraordinary</b> 116:3 148:17 169:11 222:10 <b>extravagant</b> 76:19 <b>extremely</b> 103:5 106:22 151:1 <b>eye</b> 35:18 <b>eyre's</b> 147:4
<b>f</b>			
<b>faber</b> 117:18 <b>fabricated</b> 82:18 <b>face</b> 72:19 88:21 264:12 <b>faces</b> 79:1 264:10 <b>facets</b> 96:15 105:13 <b>facilities</b> 47:4 126:15 151:8 317:22 <b>facility</b> 88:13 <b>facing</b> 34:17 35:10 142:23 <b>facp</b> 6:18,20 60:23 99:10 <b>fact</b> 17:5 31:24 59:1 87:17 129:11 131:16 158:21 201:24 205:10			

[fact - fill]

Page 25

207:6 222:24 232:7,8 244:15 246:1 250:21 262:23 271:5 279:9 324:9 331:2 333:18 <b>factor</b> 205:14 207:15,21,21 209:1 211:11 216:10 259:15 334:5 <b>factories</b> 258:2 <b>factors</b> 98:24 99:4 103:15,18 104:21 104:24 110:12,13 112:24 113:8 195:11 196:11 199:13 200:4 201:6 209:18 210:10 211:4,6 212:2,19 215:2,3,3 216:4 220:24 243:11 325:13 <b>facts</b> 34:9 <b>factual</b> 34:5 234:1 <b>faculty</b> 68:15 71:11,13 79:23 94:15,24 121:4 <b>fail</b> 172:11 <b>failed</b> 83:7 85:7 <b>failing</b> 84:6 <b>fair</b> 20:1 32:11,13 68:2 87:3 88:2 99:22 112:23 144:3 146:2 154:7 192:3 197:22 198:9 217:20 324:11,23 325:5 326:13 <b>fairly</b> 144:8	<b>faith</b> 263:21,24 273:9 <b>fake</b> 129:24 154:24 <b>fall</b> 274:16,17 <b>fallen</b> 176:13 274:13 <b>false</b> 198:6 326:9 <b>familiar</b> 12:22,23 33:12 36:6,9 39:9 61:5,6 100:14,16 101:4 142:1 185:2 255:14 295:18 299:20 339:13 <b>familiarize</b> 339:16 <b>families</b> 58:6 133:5,8,16 150:5 <b>family</b> 64:4 136:17 161:2,4,12 173:14 173:18 174:1 280:15 294:1 <b>far</b> 57:20 74:15 88:16 106:13 117:4 159:16 186:4 193:18 236:1 248:5 259:9 278:19 288:5 307:12 <b>farrell</b> 2:6,7 8:18 8:18 28:14 29:19 29:20 187:7 <b>fast</b> 211:2 338:21 <b>faster</b> 98:20 <b>fatal</b> 6:3 178:12 244:19 245:16 279:20 284:12,14 284:20 285:3,9 339:7 340:10,15 <b>fatality</b> 6:7 183:23 184:7,16 243:3 246:22	<b>fatally</b> 340:7 <b>favor</b> 194:10 <b>fbi</b> 129:16 <b>fda</b> 94:23 159:3,3 160:5 <b>fearful</b> 129:19 153:18 <b>feature</b> 123:7 <b>featured</b> 123:4,5 <b>fed</b> 164:12 168:22 169:21 333:13 <b>federal</b> 1:20 49:24 58:3 138:3 148:16 173:21,21 190:18 222:9 230:15,23 231:3,4,18,20 232:4 234:7 236:14 237:15 270:13,14,16 271:5 272:2 292:16 <b>fedwv</b> 5:15,18,21 6:8,13,16,18 60:23 246:24 254:20 255:8 303:19 308:11,15 313:3 314:1 <b>feed</b> 153:22 155:9 169:17 177:11,15 <b>feeding</b> 169:23 177:15 <b>feel</b> 95:16 152:8,10 152:11,21 153:5 160:24 161:4,4 323:5,7 <b>feeling</b> 160:16 <b>feelings</b> 161:4 <b>fees</b> 37:3 <b>feet</b> 327:20 <b>fell</b> 76:6,8	<b>felony</b> 37:16 <b>felt</b> 72:24 74:24 261:18,18 263:6 263:10 <b>fentanyl</b> 105:7 155:7 164:13,14 165:23 166:13 179:17 254:5 256:9,15 257:7 277:4,4 301:14 302:14,15,15,16 302:16,20 303:10 303:10 305:12,15 305:16 306:2,10 318:11 <b>fentanyls</b> 301:6 <b>fewer</b> 149:23 <b>field</b> 181:19 200:11 201:12 203:1 <b>fifteen</b> 308:22 <b>fifth</b> 78:13 79:3 305:11 <b>fight</b> 175:21 267:9 <b>fighting</b> 98:1 <b>figure</b> 33:3 44:18 81:16 98:6 131:9 150:9 173:11 201:19 202:1 212:2 214:15 <b>figuring</b> 44:8,14 102:12 <b>file</b> 59:19 <b>filed</b> 6:23 7:17 23:3,16 24:9 59:2 240:2 <b>files</b> 20:24 21:1,3 298:22 <b>filing</b> 24:9 343:15 <b>fill</b> 36:3 89:6 90:9 154:10,12 265:13
--	--	--	---

[fill - follows]

Page 26

266:1,13 272:18 <b>filled</b> 40:5 88:5 112:10 126:5 247:13 266:10,12 273:7 <b>filling</b> 266:4 <b>final</b> 6:15 297:15 298:1,11 313:1 316:21 341:17,18 342:9,9,11,21,24 <b>finally</b> 124:12 167:17 <b>finance</b> 97:23 120:9 174:4 <b>financially</b> 8:4 344:14 <b>financing</b> 78:15 <b>find</b> 15:20 23:11 42:20 46:24 47:3 85:24 122:6 135:5 137:9 150:8 163:8 163:9 165:15 176:1,9,12 204:20 205:23 214:19 217:24 218:15 230:11 278:12 279:10 288:19 317:4 331:12 342:24 346:11 <b>finding</b> 29:12 132:12 138:12 <b>findings</b> 126:1,1 <b>fine</b> 35:8 99:23,24 115:17 180:19 235:20 240:11 279:6 287:10 <b>finish</b> 14:13,14 116:17 216:23 <b>finished</b> 40:2 338:1	<b>finishing</b> 39:24 <b>fired</b> 165:14 <b>firm</b> 3:4 7:23 8:1 229:1,5,16 230:2 236:6,21,22 237:4 238:10,17 239:2,5 239:10,11 241:4 241:11 242:15,17 286:15,18 288:2 <b>firms</b> 236:12 <b>first</b> 9:6 24:22 55:8,13 66:24 68:6 78:2 80:10 91:5 96:7 97:9 100:18 101:18 116:12 122:7,12 133:16 138:14,15 138:16 141:19,19 144:24 148:4,9 151:17 154:3 164:2 182:8 200:9 206:19 210:13 212:4,15 215:9 222:2 223:18 236:11 241:23 257:1 260:12 276:23 281:10 282:11 295:12,22 296:13,15 301:3 313:7 314:20 315:1,2 316:1 328:22 330:15 331:6 344:7 <b>firsthand</b> 129:7 130:5 135:13 136:24 137:4 277:14 <b>fish</b> 252:15 <b>fishing</b> 251:9,11 <b>fit</b> 50:16	<b>fitzsimmon</b> 51:6 <b>fitzsimmons</b> 3:4,4 8:21 16:10 17:1 17:18 118:21 219:3 232:10,17 233:9,14 235:23 236:10 238:1,11 239:5 240:5,12,16 287:3 288:13 290:11 298:23 343:6 <b>five</b> 16:17,22 42:7 132:15 149:21 159:24 171:18 210:20 221:12 223:13,20 224:9 224:15 225:10 305:11 328:2,5 <b>fix</b> 14:19 96:21,24 116:21 134:22 138:22 140:4 159:16 160:4 161:10 163:18 273:11 <b>fixed</b> 158:13 <b>flags</b> 135:23 <b>flat</b> 194:12 <b>flip</b> 210:18 <b>flood</b> 46:10 <b>flooded</b> 46:8 <b>flooding</b> 138:6 <b>floor</b> 2:8 69:21 235:8 <b>floral</b> 64:23 68:11 71:22 73:8 73:10,19 79:13 81:10,11 84:9 129:13 <b>flow</b> 114:12 178:23	<b>flowed</b> 193:23 <b>flowing</b> 113:18 <b>fluoro</b> 302:15 <b>focus</b> 60:10 61:24 65:19,21,22 67:10 75:23 79:18 80:8 91:11 95:23 96:1 96:21 98:11,13,15 98:18 108:17 196:21 211:19 223:18 255:1 319:9,12 321:17 <b>focused</b> 46:2 60:11 84:14 95:12 109:2 110:22 173:4 212:4 <b>focusing</b> 85:9 90:16 108:5 111:11 113:8 197:11 210:8,9 227:15 228:11 245:9,11 280:21 314:20 <b>fold</b> 146:19 <b>folks</b> 102:22 215:3 <b>follow</b> 27:22 76:3 76:4,5 162:8 182:3 188:10 189:13 282:3 307:14 328:21 <b>followed</b> 63:6 188:22 <b>following</b> 24:13 123:10 200:5 201:6 271:15 314:23 <b>follows</b> 9:6 54:24 115:2 180:24 226:24 240:20 291:13 328:9
---	---	---	--



[food - generate]

Page 27

<b>food</b> 70:24 159:11 336:21 <b>foods</b> 333:5 <b>football</b> 260:22 <b>force</b> 49:7 71:20 125:8,16 143:7 <b>forces</b> 155:10 <b>foregoing</b> 344:5 347:13 348:18 <b>foremost</b> 212:4 <b>forget</b> 290:5 <b>form</b> 30:4 31:11 36:22 37:9 46:9 48:2 49:19 50:19 52:19 53:15 59:20 68:3 73:14 87:13 88:6 104:16 106:16 108:9 122:3,3 125:7,8 143:22 146:6 154:22 156:16 167:5 177:3 199:5 199:18 200:13 202:13 203:14,24 207:17 214:6 216:18 217:21 218:8,10,15 220:1 225:22 226:6,11 248:10 249:22 250:18 252:9 254:10 258:20 261:15,23 266:2 267:13,21 268:4 268:14 269:9 270:3 271:2,10 272:20 280:8 294:22 312:19 322:7 326:16 327:9 342:14,21 <b>formally</b> 25:5	<b>format</b> 343:2 <b>formed</b> 204:10 <b>former</b> 9:14 125:15 202:23 <b>formerly</b> 234:20 <b>forming</b> 188:12 189:11 <b>forms</b> 166:6 <b>formula</b> 214:21 <b>forth</b> 344:15 345:6 <b>forty</b> 344:15 345:7 <b>forward</b> 194:18 196:10 202:5 217:8 346:15 <b>foster</b> 45:4 136:14 171:19 <b>found</b> 45:15 114:3 126:3,6,9,11 132:13,15 145:4,6 147:1 164:8 165:12 248:14 280:11 307:10 <b>foundational</b> 152:3 <b>founding</b> 95:15 <b>four</b> 9:24 10:6 41:4 42:7 64:18 65:1 79:5,9 123:3 123:4 126:9 159:15,24 169:14 171:18 210:19 225:8,12 248:15 248:21 255:3 321:8 <b>fourth</b> 206:23 211:6 318:3 <b>fractures</b> 141:11 <b>frame</b> 12:23 27:10 140:9 166:1 190:13	<b>frank</b> 262:24 <b>frankly</b> 98:4,13 164:7 <b>fraudulent</b> 248:2 248:7 <b>free</b> 134:24 135:1 159:3 173:6 178:23 277:10 347:14 348:20 <b>friday</b> 187:24 <b>friends</b> 150:4 280:14 <b>front</b> 13:17 23:22 74:1 150:24 246:13 298:4 314:12 321:3 326:24 333:11 <b>fuel</b> 278:13 279:10 <b>fueled</b> 278:4,5,7 <b>fulfill</b> 83:7 84:6 85:7 <b>fulfilling</b> 84:18 86:12 <b>full</b> 60:5 74:2 105:20 264:3 277:3 319:1 321:11 344:10 <b>fully</b> 13:24 18:12 218:19 247:10 <b>function</b> 161:13 272:12 336:19 <b>functional</b> 281:23 <b>functioning</b> 320:16 <b>fund</b> 138:15 <b>fundamental</b> 152:4 <b>funded</b> 134:12 148:14 222:7 <b>funding</b> 122:6 173:20,21,21	<b>funerals</b> 133:8 <b>furanyl</b> 302:15 <b>further</b> 8:24 154:16 166:15 172:9 181:21 207:12 215:19 276:14 343:16 344:8,11,13 <b>future</b> 172:7 174:19
<b>g</b>			
<b>g</b> 7:1 9:4 <b>gain</b> 251:16 <b>game</b> 23:20 32:13 98:12 103:20 <b>gary</b> 340:21,24 341:1,5,9 <b>gas</b> 165:10 <b>gastric</b> 170:21 <b>gather</b> 226:19 296:7 <b>gay</b> 136:2 <b>geared</b> 49:16 <b>gears</b> 60:1 <b>gender</b> 173:19 <b>general</b> 10:14 35:13 59:6 67:24 68:21 103:6 106:24 167:3 245:10 259:14 307:1,3,16 <b>generally</b> 22:7 40:11 75:6,7 76:11 88:11 92:17 95:12 112:21 138:2 167:3 212:19 310:4 329:6 332:20 <b>generate</b> 82:13 258:10			

## [generated - grandchildren]

Page 28

<b>generated</b> 83:5	114:15 115:11	50:10 51:3,3	142:20 149:5
<b>generation</b> 102:11	116:12,14,16	54:21 55:22 58:14	152:10,11,21
<b>georgetown</b> 80:7	117:9 120:15	60:1 61:11,24	153:5 160:16
<b>getting</b> 40:1 73:20	133:8,9,23 134:1,4	64:7 73:15,16	218:2 222:22
135:11 149:13	140:8 141:9	79:14 80:10 81:6	225:9 242:7
150:16 153:14,15	149:18 153:20	81:13 90:6 96:24	263:21,24 273:9
169:18,22 171:5	154:11 155:1,3,6	98:17,21 100:17	309:5 328:18
214:8 222:13	157:1 161:2 163:5	104:12 107:19	<b>goods</b> 74:23 76:2
223:4 264:1	163:9 165:10,10	114:22 115:7,14	283:11
271:20 323:7	165:11 166:20,23	119:20 133:18	<b>gould</b> 2:18 4:5
<b>give</b> 13:17 17:23	173:22 178:3,21	137:5,6 141:10	8:15,15 116:24
50:8 81:8 116:20	179:10 183:8	143:11 145:5,12	117:1 118:10,17
123:1 146:24	184:18 189:15	145:24 149:10	119:2,13,17
147:11 159:23	199:7 205:19	151:2 153:16	180:13 181:5,6
164:11,11 175:8	212:4 217:2 221:1	157:12 164:24	186:24 242:19
176:2 204:8	223:10 231:3	170:18 178:5	308:18,21 309:5
219:12 255:20	232:12 235:24	179:17,19 180:21	310:12 328:17,18
263:10 276:13	238:3,4 240:14	188:4,9 189:15	338:1,5
309:3,3	251:11 267:7	197:24 198:16	<b>gotten</b> 278:11
<b>given</b> 93:17	277:8,10 283:7	209:1,17 212:12	331:14
126:13 187:5	287:7 291:9 292:5	213:3 219:7	<b>governed</b> 138:3
230:14 281:6	293:9,11 296:11	221:17 223:2,17	<b>government</b> 6:10
343:11 344:17	298:10 300:9	226:21 240:17	37:4 148:17
345:10	322:17,24 323:2	246:10 256:4	222:10 254:15
<b>gives</b> 218:1	325:21 333:17	266:12,19 278:15	255:18
<b>giving</b> 170:13	<b>goal</b> 109:18	281:4 287:10,10	<b>governor</b> 96:13
215:24 236:14	<b>goes</b> 17:21 51:4	291:2,10 297:16	125:24 145:19
<b>glean</b> 179:6	84:12 160:11	300:5 307:12	161:21 216:20,24
<b>go</b> 7:11 12:11,15	170:9 190:5	308:21,22 314:17	217:3
13:10 19:21 24:2	277:17 282:23	318:6 319:8	<b>governor's</b> 48:13
24:3,6 25:20 33:2	297:6 302:4	321:11 323:14	51:24 85:3 128:8
33:4 36:19 38:18	318:15 320:7	328:5,6,14 340:13	161:22
38:24 39:6 44:20	335:1	<b>gonna</b> 107:18	<b>graceful</b> 131:14
46:14 47:7,17	<b>going</b> 7:3 9:10	114:13 133:14	<b>gracefulness</b>
49:20 51:13 54:17	12:17 14:2 15:7	178:20 220:7	131:10
55:20 60:1 64:9	17:24 23:10 24:19	224:24 262:19	<b>gradual</b> 265:4
71:10 73:6,15	30:13 32:1,4 33:4	277:11 290:10	<b>graduates</b> 95:17
75:5 76:17 77:23	34:20 36:18 37:13	<b>good</b> 7:2 9:9 17:24	<b>grand</b> 95:11
79:4 83:15 84:13	38:3 39:24 42:13	25:14 67:19,20	<b>grandchildren</b>
99:16 106:14	42:13 43:20,21,22	69:24 72:14,22	150:3
109:22 110:17	45:4,8 47:16 50:5	93:8 117:4 139:6	

**[grandma's - health]**

Page 29

<b>grandma's</b> 292:14	23:5,13,17,23	<b>haddy</b> 5:6,6	204:9 222:23
<b>grandmother</b>	25:15 27:3 29:11	299:11,11	302:3 329:16
276:9	29:13,20 31:3,18	<b>hager</b> 3:8 7:23	<b>happens</b> 139:8
<b>grandparents</b>	32:18 33:17 34:11	<b>half</b> 132:5 257:1	140:19 149:20
171:20,20	36:10 51:15 55:2	280:14	150:12 155:17
<b>grant</b> 134:13,14	55:5 60:19,21,22	<b>halfway</b> 317:7	172:1 223:12
<b>graph</b> 274:22	61:1,5 99:8,10,13	<b>halls</b> 133:9,10	273:15 294:17
305:7 319:6	100:1,14 115:4,13	<b>hampshire</b> 167:22	331:12
<b>graphs</b> 306:5	115:14,24 117:16	<b>han</b> 5:7 299:12	<b>happy</b> 19:21 27:20
<b>great</b> 14:4 58:24	117:22 118:22	<b>hand</b> 61:19 131:20	33:5 49:11 78:24
171:20 188:7	180:6 181:2 182:1	133:21,23 134:4	218:15 264:10,11
207:3	182:17 183:11	310:21,23 317:17	269:9 285:12
<b>greater</b> 320:14	184:3 185:11,23	344:17 345:10	286:2 308:23
322:10,18	186:21 187:4	<b>handful</b> 126:23	333:11
<b>greatest</b> 111:23	188:1,7 191:23	<b>hands</b> 43:19 44:15	<b>hard</b> 75:5 77:8
<b>grips</b> 278:8	219:20 227:2,5,15	45:1 303:12	90:4 100:18 145:8
<b>ground</b> 58:7 98:1	227:20,22 228:1	<b>happen</b> 68:7 127:2	173:2 216:12
<b>grounded</b> 73:1	228:11,16 240:22	135:5 138:7	260:16 261:17
<b>group</b> 132:18	241:1 246:18,19	141:11,12 150:1	307:6
277:18 281:19	247:1 254:13,14	164:6,6 168:18	<b>harm</b> 68:7 82:23
305:14 306:18	254:22 289:20	174:10 193:19	138:12,16 155:3
<b>groups</b> 66:19	291:15 295:2,3,9	282:2 285:18	<b>harvard</b> 80:5 94:9
<b>grown</b> 205:6,8	299:10,15 303:15	305:22 342:2	94:13 121:18
307:20	303:17,22,24	<b>happened</b> 51:2	<b>hasten</b> 46:6
<b>guess</b> 34:1 82:3	304:22 308:6,7,14	75:23 97:3 104:22	<b>hazards</b> 31:22
88:9 172:1 182:9	308:16 312:23,24	105:9 125:5	<b>he'll</b> 28:23,23
199:23 203:20	313:4 315:10	142:13 146:9	30:16 33:1 35:2
280:20 293:22	328:11,13,18	150:7 163:22	343:8
315:22 327:4	339:5,6,11,13	165:4 173:10	<b>head</b> 66:2 161:1
<b>guidance</b> 188:17	343:11 344:5	277:22 286:22	193:11 282:15
<b>guided</b> 110:13	345:5 346:8 347:4	290:4 324:12	<b>heading</b> 62:9
<b>guidelines</b> 142:19	347:9 348:4,13	<b>happening</b> 44:23	91:12 318:7
224:18,19,23	349:20	46:11 49:10 96:18	<b>heads</b> 128:11
271:16 272:7	<b>gupta's</b> 187:15	113:11 123:8,11	<b>health</b> 2:10 5:8,10
<b>guiding</b> 190:7,8,11	286:15,17 298:22	124:6 130:8	5:23 6:19 8:12,14
<b>gun</b> 165:13	<b>guys</b> 180:4,4	131:20 135:12	9:12,15,16 11:4,15
<b>gupta</b> 1:19 5:3,13	232:24	136:8,15 137:4	21:22 22:18,18,22
5:18,20,23 6:2,6,9		143:14 144:6	30:7,8,9,10 31:5,6
6:14,17,20 7:14		149:7 151:12	31:7,9,22 32:6,10
8:21 9:9 12:3,4,9		158:21 161:7,24	32:21 35:12,16,17
12:12 15:13 21:11		163:3,13 171:7	39:20 40:14,14,16
	<b>h</b>		
	<b>h</b> 9:4		
	<b>habit</b> 153:23 172:9		
	278:13,14		

[health - holds]

Page 30

42:17 48:3,9,10,24 49:22 50:1 55:6,8 55:13 56:4,8,16 57:1 59:2,7 60:17 63:4 65:16,18 67:20 70:12,12,13 70:14,16,23 71:5,7 71:16,17,19,23 72:8,8,10,13 73:5 80:12 81:3,5 84:13,19 86:3,4,5 91:1,7,8,12 92:2,4 94:10 95:11,12,15 95:19,19 99:9 101:7,23 107:12 113:24 120:4 121:18,22,23 122:7 123:18 125:12 127:14,14 127:16,17 128:19 129:1 142:16 143:12,13,24 181:18 183:12,12 183:18 184:5,21 188:9 199:21 206:4 212:5,9 215:3 217:1,2,6 243:5 244:10 250:22,24 251:19 251:21 256:19 272:5 277:10 295:5 296:18,22 296:24 297:9 299:13,21,22 300:7,8,9,11,15 301:1,4 302:5,5 303:21 314:2 315:10,11 317:15 317:22,22 318:13 319:14 326:1,2 328:22 329:13,24	337:18 <b>healthy</b> 128:23 <b>hear</b> 30:11 55:8,12 106:16 131:1 133:11 187:10 188:1 191:19,20 <b>heard</b> 55:5,10 56:18 57:9 77:5 86:10 98:22 124:8 124:9 133:15 143:18 228:21 <b>hearing</b> 170:23 187:10 255:21 <b>heart</b> 170:21 175:17 334:24,24 <b>heartbreaking</b> 133:15 <b>hearts</b> 175:17 <b>held</b> 120:12 121:4 149:1 222:17 272:6 <b>hello</b> 191:19 286:5 <b>help</b> 44:4,12 46:3 46:15 52:14,17 53:19 54:4 74:22 74:24 78:3 83:2,4 87:9 98:20 125:1 126:10,13 128:13 159:15 165:9 176:2,7 178:11 179:6 192:7 220:8 263:7,14 276:17 276:18 296:14 <b>helped</b> 45:19 46:17 47:18 95:14 122:3,3,5 125:7,7 125:10 138:15 142:6 <b>helpful</b> 216:13 263:12	<b>helping</b> 69:9 263:24 <b>helps</b> 330:13 <b>hep</b> 97:11 106:6 <b>hepatitis</b> 97:5,7 136:6,12 164:21 <b>hereof</b> 344:7 <b>heroin</b> 47:13 105:7 155:7,7 161:17 163:12 164:1,7,10,16 165:23 166:13 176:19,21,23,24 177:1,3,17,18,22 178:1,22 179:1,3,3 179:8,17 243:22 254:3,4 257:4 274:5,23 276:4,15 277:5 278:20,24 279:8,12 280:2 284:5 302:19 306:23 307:2,4,5 307:19 311:1,4,11 311:22 312:2,6,10 318:11 324:3 333:16 <b>hey</b> 29:20 81:12 129:16 145:4 153:20 179:22 185:13 231:11 240:5 276:17 286:10 <b>hhs</b> 124:4 <b>high</b> 11:3 57:22 91:6 94:20 97:10 139:4,16 149:21 149:23 151:1 153:14 159:21 164:11 168:1 172:5 197:23 199:19 200:8	221:13 223:13,15 223:20 224:10 225:15 226:3,11 258:21 319:20 <b>higher</b> 167:20 172:14 210:14 211:9 224:14 273:3 277:1 334:7 334:14 <b>highest</b> 97:7,10 136:12 167:19 201:13 205:11 206:23 271:20 272:6 <b>highlighted</b> 111:1 204:5 331:3 <b>hijack</b> 152:24 <b>hijacked</b> 154:20 279:17 <b>hijacking</b> 152:24 <b>hijacks</b> 154:5 <b>hindsight</b> 46:17 47:6 77:24 <b>hint</b> 204:8 <b>hired</b> 125:14 <b>historic</b> 97:10 <b>historical</b> 96:6,8 96:14 144:23 182:13,18 183:4 218:9 <b>history</b> 31:19 55:21 97:4 101:24 140:8 331:18 <b>hiv</b> 97:2,4 106:6 135:17,19 164:21 <b>hold</b> 23:12,24 93:24 133:10 216:22 267:2 323:13 <b>holds</b> 54:2
---	--	---	---

[holes - inappropriate]

Page 31

<p><b>holes</b> 131:24 252:5 252:8,18,23 253:2</p> <p><b>home</b> 20:24,24</p> <p><b>honest</b> 75:11 136:3 176:15 262:24</p> <p><b>honestly</b> 98:13,15</p> <p><b>honor</b> 314:13</p> <p><b>honorable</b> 314:3</p> <p><b>hook</b> 155:5</p> <p><b>hope</b> 162:1 249:7 249:10 289:24</p> <p><b>hopeful</b> 162:7,19</p> <p><b>hopefully</b> 116:20 140:3</p> <p><b>hopkins</b> 80:6 125:9</p> <p><b>hospital</b> 62:16 65:22 68:21 69:3 71:14 74:3 78:22 300:16</p> <p><b>hospitalist</b> 65:8,11 66:6 68:22 78:23 264:6</p> <p><b>hospitals</b> 64:9 69:5,16 136:1 264:5</p> <p><b>host</b> 44:22</p> <p><b>hosted</b> 124:3</p> <p><b>hotels</b> 71:4</p> <p><b>hour</b> 54:5 116:12 229:9,11 286:12 297:1</p> <p><b>hours</b> 16:17 43:9 45:22 89:24 103:7 106:24 168:19 310:10 326:18 338:7</p> <p><b>house</b> 6:9 142:16 142:16 254:14 255:17 321:3</p>	<p><b>household</b> 212:15</p> <p><b>huge</b> 172:11,13</p> <p><b>huh</b> 10:6 11:22 213:11 253:17 260:2 288:8</p> <p><b>human</b> 22:22 59:7 74:20 152:19 314:3 317:15 326:1 334:6 336:12,14</p> <p><b>hundreds</b> 74:16 167:7 266:15</p> <p><b>hungry</b> 152:9</p> <p><b>hunter</b> 3:8 230:21 231:22 236:8 238:12,13 239:2 240:10 242:2,13 242:14,14,15,16 242:17</p> <p><b>hunter's</b> 237:13</p> <p><b>huntington</b> 1:4 2:8 7:16 17:3 21:18 22:10 27:5 32:7 115:8 117:18 118:5,23 119:4 125:15 135:18 172:15 182:2 187:6,17,20 234:22,24 239:12 239:14 240:4 261:4 275:21 296:9,17,18 346:6 347:3 348:3</p> <p><b>huntsville</b> 65:6 69:15</p> <p><b>hurt</b> 46:18 273:19</p> <p><b>hurting</b> 273:17</p> <p><b>hydrocodone</b> 307:4</p> <p><b>hypothesize</b> 259:8</p>	<p><b>hypothetical</b> 156:17</p> <p><b>i</b></p> <p><b>icu</b> 174:7</p> <p><b>idea</b> 122:7 135:11 146:24 147:11 194:16</p> <p><b>ideas</b> 116:20</p> <p><b>identification</b> 12:9 23:17 60:24 99:12 182:14 184:1 247:1 254:21 295:8 299:15 303:23 308:16 313:4 339:10</p> <p><b>identified</b> 24:13 151:8 207:22 209:2 230:9,18 232:1 246:5 262:1 296:24</p> <p><b>identify</b> 205:24 206:22 211:3 243:9 249:12,21 262:2</p> <p><b>identifying</b> 134:8</p> <p><b>identity</b> 253:8 341:24</p> <p><b>ignore</b> 215:7 246:1</p> <p><b>ii</b> 36:12 37:14</p> <p><b>iii</b> 37:14</p> <p><b>illegal</b> 87:5 105:10 132:14 292:10,11 328:24</p> <p><b>illegitimate</b> 87:4 87:11,16 105:10 219:23,24</p> <p><b>illicit</b> 256:9,14,15 256:18 257:12,14 257:23 258:1,3,5 277:4 280:2 302:11 305:12</p>	<p>306:2</p> <p><b>illicitly</b> 257:6</p> <p><b>illinois</b> 62:17</p> <p><b>imagine</b> 129:18 169:20</p> <p><b>immediate</b> 170:19</p> <p><b>immediately</b> 21:6 193:14</p> <p><b>immigration</b> 194:23</p> <p><b>immune</b> 160:7</p> <p><b>impact</b> 72:17 83:4 110:2 173:8 175:10 265:22,23 268:24 269:4 271:7 329:21</p> <p><b>impactful</b> 72:23 102:11</p> <p><b>impacts</b> 110:4,6 334:21</p> <p><b>implications</b> 186:7</p> <p><b>importance</b> 329:20</p> <p><b>important</b> 14:10 43:10 69:22 73:1 102:22,23 109:8,9 126:17 138:18 140:4 141:5 143:9 152:18 273:21 281:13 329:11</p> <p><b>impossible</b> 262:20</p> <p><b>improper</b> 50:7</p> <p><b>improved</b> 42:9</p> <p><b>impulse</b> 171:11,13</p> <p><b>inappropriate</b> 114:10 150:10,22 151:1 155:11,12 155:22 156:1,22 236:22 259:22 260:4,7,8,9 262:3 264:15 265:10</p>
---	--	--	--



[inappropriate - instruct]

Page 32

280:12 <b>inappropriately</b> 204:13 224:5 <b>incarcerated</b> 45:17,19 126:7 <b>incarceration</b> 69:20 <b>incentives</b> 74:14 <b>incessant</b> 168:21 <b>incidence</b> 307:19 <b>inciting</b> 148:9 222:2 <b>incline</b> 132:12 <b>include</b> 21:22 38:21 96:3 103:13 106:9 107:24 109:11,16 110:12 127:10 132:17,17 137:10 168:21 202:2 215:3,4,6 243:24 244:16 247:7 248:7 256:19 330:3 <b>included</b> 10:14 19:12 24:19 66:17 70:20 109:13 132:16 252:21 297:2 346:13 <b>includes</b> 32:7 93:1 106:5,8 243:19,22 272:7 275:17 <b>including</b> 15:20,21 19:10 22:16 38:6 65:23 66:10 69:19 87:1 93:12 140:1 196:12 257:1 268:17 293:16 314:18 339:23 <b>inclusive</b> 54:7 <b>income</b> 211:24 212:15	<b>incomes</b> 319:21 <b>incorporated</b> 348:12 <b>increase</b> 147:1 148:6 156:9,11 168:4 169:5,5 221:7 246:4 305:16 307:2,4,16 319:18,19,20,21 319:22 326:12 335:16 <b>increased</b> 144:20 146:19 155:23 318:12,18 319:16 334:17 335:5,7 336:5,14 337:21 <b>increases</b> 197:20 197:21 <b>increasing</b> 155:18 157:13 274:22 302:12 <b>increasingly</b> 256:16 <b>incremental</b> 46:5 46:16 47:19 83:4 173:8 274:14 275:7 <b>incrementally</b> 47:9 138:9 <b>incurring</b> 174:19 <b>index</b> 4:1 5:1 6:1 <b>indicated</b> 291:23 310:22 318:11 343:14 <b>indicates</b> 210:21 <b>indicating</b> 256:17 346:13 <b>indication</b> 67:6 <b>indications</b> 259:17 261:10	<b>indirectly</b> 335:5 335:16 <b>indisputable</b> 274:24 <b>individual</b> 72:24 133:8 135:6 200:4 201:6 205:15 215:3 225:17 252:22 253:1,4,6,9 341:5 342:1,4 <b>individual's</b> 294:21 <b>individually</b> 58:7 <b>individuals</b> 24:13 176:9 252:20 254:1 258:9 319:21 331:15 334:5,9 <b>indoor</b> 70:21 <b>induce</b> 225:21 <b>industry</b> 145:8 195:21 <b>inefficient</b> 176:15 <b>infant</b> 128:24 264:21 <b>infection</b> 300:16 <b>inflammation</b> 67:15 <b>influence</b> 84:11 252:20,24 253:6 253:10,12 <b>inform</b> 125:1 127:4 <b>information</b> 17:23 27:18 31:15 34:5 35:1 36:23 37:9,9 38:6 63:8 88:3,18 88:18 89:23 96:11 113:2 179:7 219:10 230:7,24 234:2 246:15	303:12 314:7 341:7,10 342:3 <b>ingrained</b> 136:10 <b>inhale</b> 165:4 <b>inherent</b> 91:22 <b>inherently</b> 272:21 <b>initial</b> 36:14 38:12 44:22 75:18 134:18 225:7 233:12 268:17 298:12 <b>initially</b> 148:14 153:3 222:7 278:23 288:7 <b>initiated</b> 161:22 <b>inject</b> 164:20 165:12 254:1 277:2 <b>injecting</b> 254:9 <b>injection</b> 47:14 <b>injuries</b> 141:12 143:14 145:11,24 197:19 <b>injury</b> 196:23 <b>inner</b> 68:24 152:4 153:1,8,16,19 154:5,19 <b>innocent</b> 43:19 <b>input</b> 59:23 <b>inquire</b> 31:21 230:17,20 <b>inquiries</b> 28:1 <b>inside</b> 131:23 154:21 169:22 251:11 <b>instance</b> 118:21 <b>instances</b> 86:17 87:7 185:20 <b>instill</b> 122:6 <b>instruct</b> 18:1
---	---	--	---

<b>instructed</b> 232:16	<b>investigation</b> 5:10	171:13 196:13	218:20 219:16,19
<b>instructing</b> 236:8	85:22 86:15 96:3	234:7	221:20,24 226:15
238:13	124:23 130:2	<b>iuds</b> 173:21	227:4,24 238:5,6
<b>insurance</b> 208:18	295:6 296:22	<b>iv</b> 37:14 97:11	240:24 242:20,23
<b>intend</b> 28:19 30:14	297:9	136:8 163:11	253:18 266:19
122:14	<b>investigations</b> 6:6	253:13,20,23	267:8 270:15
<b>intended</b> 24:24	85:14 246:21	254:2	286:6 291:17
50:14,15 249:15	<b>investments</b> 76:19	<b>j</b>	304:10,18 308:5
<b>intends</b> 32:13	<b>invite</b> 50:23	<b>j</b> 315:2 316:2	323:17 327:4
<b>intent</b> 87:18	<b>involve</b> 69:11	<b>jackson</b> 344:2	328:13 338:17,24
<b>intention</b> 30:15	90:21 95:2,13	<b>jail</b> 69:21 133:12	339:3 343:3
<b>intentions</b> 176:6	144:10	292:12	<b>job</b> 25:14 83:17
263:18	<b>involved</b> 22:21	<b>jailed</b> 292:13	91:23 98:5,6
<b>interaction</b> 86:11	39:15 43:8 69:9	<b>jails</b> 173:16	105:14 143:6
172:19	69:15 141:22	<b>james</b> 2:18 8:15	144:13 145:9
<b>interactions</b> 52:20	183:15 190:21	315:12	161:11 171:15
56:16 57:3	245:16 306:10	<b>jane</b> 283:14	198:5 200:5 201:7
<b>interactive</b> 95:5	328:24	<b>january</b> 55:11	272:3,3,3
<b>interest</b> 286:12	<b>involvement</b> 26:10	91:3 102:7 127:24	<b>jobs</b> 144:12 145:6
<b>interested</b> 8:4	92:8 185:2	<b>jaywalking</b> 293:9	145:8 195:21,21
344:14	<b>involves</b> 33:20	<b>jcaho</b> 78:18	195:23 272:13
<b>interfere</b> 7:8	36:18 244:3,19	148:15 222:8	273:23 274:3
<b>interference</b> 7:6	<b>involving</b> 306:6	<b>jim</b> 117:1 181:5	<b>johns</b> 80:6 125:9
<b>interim</b> 128:19	307:12	308:21 328:18	<b>johnson</b> 148:13
<b>internal</b> 62:21	<b>iota</b> 326:19	<b>jindal</b> 2:11 4:3,4,5	222:6 224:1
63:11 64:1,3	<b>irritable</b> 168:23	8:11,11 9:8,11	<b>joined</b> 92:4
65:11,16,17 69:8	<b>iso</b> 302:15	15:5 18:2 19:2	<b>joining</b> 55:11
122:9 337:17	<b>issue</b> 34:22 43:4	21:10 23:9 24:4,8	<b>joint</b> 78:18 259:3
<b>interpose</b> 117:3	46:4,15 67:12	25:22 26:15 27:2	<b>joseph</b> 62:16
<b>interrogate</b> 252:13	75:11 102:1,5,13	29:6 30:1 32:16	<b>journal</b> 283:14
252:16	107:13,20 118:6	32:17 41:22 42:2	<b>journals</b> 123:18
<b>interrogation</b>	151:9 168:9 173:5	47:21 48:8 51:10	<b>jr</b> 2:6 8:18 28:14
88:24	174:2,3 232:23	51:14 53:2 54:17	<b>judge</b> 13:18
<b>interrupt</b> 26:9	233:8 256:12	55:4 61:3 82:8	117:18 232:21
34:3 220:8	277:13 330:18	87:24 99:15	314:4,8,12,15
<b>introduce</b> 9:10	<b>issued</b> 182:6 185:3	106:18 115:6,16	315:18,18,22
<b>introduced</b> 118:11	189:5 232:24	180:15 188:2,6,8	<b>judges</b> 6:15 313:2
<b>introducing</b> 99:16	233:6,11 302:5	191:20 193:9	315:4 316:3
<b>investigate</b> 85:23	<b>issues</b> 34:6,7 35:1	195:6 198:18	323:23
<b>investigated</b> 125:3	95:12 97:24 103:5	205:22 206:3	<b>judgment</b> 88:4
270:11	106:23 128:2	210:22,24 217:15	253:11

<b>july</b> 269:20 313:21 <b>jumping</b> 23:10 67:16,18 <b>june</b> 23:3 24:12 <b>jurisdiction</b> 70:18 84:22 86:7 <b>jus</b> 75:15 <b>justice</b> 45:14,14 96:13 256:12 <b>justify</b> 196:5 <b>kyoti</b> 2:11 8:11 9:11 26:17 188:8 238:2,4 338:15	<b>kessler</b> 2:14 <b>kid</b> 260:22 <b>kids</b> 171:9,17 172:2,5,10,16 175:4 <b>kilkenney</b> 5:9 295:4 <b>kilkenny</b> 295:13 295:14 <b>killed</b> 136:3 <b>killer</b> 49:10 <b>killing</b> 43:8 54:5 103:6 106:23 324:2 325:3 <b>kind</b> 23:19 37:9 83:1 84:10 88:18 110:15 116:12 126:16 145:1,7 160:13 314:13 <b>kinds</b> 82:7 <b>knew</b> 108:13 135:24 138:18 260:17 261:2 262:10,11 263:1 <b>know</b> 13:16,21,22 14:7,19 17:7 18:10 19:4 27:16 27:21,21 28:8,10 28:12,24 29:11 31:24 33:6 35:5 37:2,5 40:20 42:2 44:19 46:17 54:1 55:17,18 56:2,10 58:18 66:2 67:13 71:2 72:3,12 73:15 74:12,19,21 74:21 76:7,17 78:18 80:4 82:10 83:16,21 86:1,17 93:5 96:20,22 97:16 98:4 99:16	100:2 103:9 106:4 107:2 108:24 109:21 110:6 114:2 115:21 116:8 117:4 124:5 126:23 130:6,20 131:2,11,22 133:13 138:10 142:6,11 143:14 144:11 145:4,8,11 145:12,13,13,16 147:2,3,17 148:19 148:24 149:10,15 149:18 150:16,23 152:5 155:16 156:18 159:9,17 159:20,23 160:2 164:4,4,19,24 166:6 170:3,10,17 171:9 172:4,16,20 172:21,24 173:16 174:9 175:6,24 176:2 177:8 178:4 179:10,15 187:11 190:24 191:3,4,10 193:4,11 194:5,5 195:24 209:21,23 211:1,23 215:6,16 215:24 216:3 217:13 218:12 219:13,14,20 223:1,6,10 225:23 226:16 234:17 242:3,8,12 251:4 252:22 253:1,4,5,8 254:24 258:11 259:9 260:14,18 261:2,13 262:8,18 264:7,22 266:12 278:23 280:5,16 281:3 282:1,8,12	282:23,24 283:12 285:2,6 289:5,16 291:4 292:12 298:3,5 301:12 313:17,18 316:13 319:2 322:20 325:18 333:20 334:1,16 335:8,8 336:17 339:17 <b>knowing</b> 33:9 253:5 <b>knowledge</b> 11:20 14:1 30:6 31:4 32:5 34:13,16 39:3 52:20 53:6 57:4 83:11 85:17 116:15 145:7 167:12 190:22 200:6 217:8 220:12 234:7 250:12 257:5 258:11 337:13 <b>known</b> 57:24 334:22 <b>knows</b> 31:21 32:9 32:10
<b>k</b>			
<b>kanawha</b> 30:7 31:6 70:12,18 91:1 127:14,16,18 293:13 345:2 <b>kearse</b> 2:3 4:4 8:19 29:10,10,24 31:17,17 61:2 118:4,4 181:24 182:1,7 183:1,8 184:12,18 185:11 187:3,7,14,24 188:3 233:23 234:16 237:9 239:8,18 254:10 289:15 291:1 297:12,13 298:21 <b>kearse's</b> 188:10 <b>keep</b> 14:11 33:6 131:6,10 171:11 188:4 204:16 281:23 287:10 <b>keeps</b> 160:12 285:21 <b>kellyanne</b> 124:7 <b>kentucky</b> 97:9 <b>kept</b> 127:22			
			<b>l</b>
			<b>l</b> 9:4 <b>lab</b> 164:14 <b>labor</b> 145:8 <b>laboratories</b> 132:10 <b>laboratory</b> 300:17 <b>labs</b> 94:22,22 132:10 <b>laced</b> 155:7 302:20 <b>lack</b> 75:3 <b>lacking</b> 133:1 <b>laid</b> 174:6,8 <b>landscape</b> 311:1



[lapse - limited]

Page 35

<b>lapse</b> 122:13 <b>large</b> 126:20 136:9 168:5 <b>larger</b> 72:17,22 311:5 <b>largest</b> 70:14 71:14 97:4 136:15 <b>late</b> 148:7,12 204:9 221:8 222:5 <b>lauren</b> 3:9 <b>lavish</b> 76:18 <b>law</b> 2:7 3:4 49:3 49:24 89:9 130:6 132:1,7 134:19,22 134:23 135:5 138:3 163:5 165:3 251:20 256:13,19 270:13,14,17,23 271:6,9,12,22 272:2 293:19 294:19 <b>laws</b> 161:20 272:10 292:16,16 <b>lawsuit</b> 9:13 58:21 <b>lawyer</b> 15:1,9 29:1 293:17,23 294:11 <b>lawyers</b> 13:22 14:9 17:2 <b>lay</b> 110:5 173:23 290:21 <b>laying</b> 293:2 <b>lead</b> 52:20 82:13 99:4 144:20 155:23 258:9,11 268:18 335:7 <b>leaders</b> 54:3 142:17 <b>leadership</b> 121:22 <b>leading</b> 132:2 <b>leads</b> 154:15 156:4 156:5 320:14	334:16 335:4,16 336:5 <b>learn</b> 39:21 41:23 55:13 56:22 59:14 109:23 124:24 127:3 130:12 132:19 <b>learned</b> 39:18 40:24 41:13 42:22 47:5 48:20 57:13 84:4 179:9 337:4 <b>learning</b> 41:17 42:5,18 56:11 57:16,20 <b>leave</b> 225:18 267:8 <b>led</b> 98:24 99:4 103:15 112:24 125:5,16 148:14 150:8 220:18 222:7 260:11 261:21 262:5,14 262:17 <b>left</b> 68:11,12 80:1 92:6 100:20,20 167:14 176:11 317:17 <b>leg</b> 323:24 <b>legal</b> 26:3 33:13,20 33:23 132:14 241:19 312:20 346:1 349:1 <b>legalities</b> 35:5 <b>legally</b> 294:18 <b>legislation</b> 5:16 44:6 48:11 125:18 138:10 142:9 268:9,16 271:8 285:19 308:12 309:16 <b>legislature</b> 58:17 58:18 122:6	133:10 173:24 175:20 225:11 <b>legitimate</b> 46:22 140:10,14,15 143:1,4 146:7,11 192:10,18 195:18 199:15,17 202:2 203:6,12,23 206:14,14 207:12 208:10 209:3,19 210:5 211:12,13 211:18 212:7 214:16 282:4 294:14 <b>legitimately</b> 281:18 <b>lesion</b> 67:14 <b>letter</b> 283:13 314:1,12,14,15,20 315:2,9,16,17,22 316:1,6,6,8 346:19 <b>letterhead</b> 317:16 <b>letters</b> 61:21 323:23 326:8 <b>level</b> 11:3 44:4 57:22 58:1 72:23 72:24 75:22 91:6 94:21 109:24 148:22 159:21 199:19 200:6,8 201:7 222:15 265:23 274:15 324:20 333:20 334:3,17 335:5,9 336:5 <b>levels</b> 97:7,10,10 136:12 201:13 332:23 335:7,23 336:15 <b>levy</b> 46:9	<b>lgbt</b> 135:20 <b>liability</b> 97:20 <b>liable</b> 149:1 222:18 <b>liberal</b> 72:3 149:16 223:7 <b>liberator</b> 158:19 <b>license</b> 38:6 40:4,5 52:24 63:22 93:10 93:18 <b>licensed</b> 36:4 87:10 112:15,16 248:9 249:6,14,21 252:12 292:21 <b>licensee</b> 92:10,13 <b>licenses</b> 51:17 53:1 53:4 63:18,21 <b>licensing</b> 51:21 71:1,4 91:16 92:17,24 94:7 <b>licensure</b> 249:16 249:19 <b>licit</b> 258:2,4,7 <b>lie</b> 155:2 <b>life</b> 66:1 140:18 161:11 164:23 169:22 172:11,19 175:4,5 196:12,22 276:6 281:5,12,13 285:23 <b>lifelong</b> 159:7,12 159:14,20 <b>light</b> 162:3 <b>limit</b> 190:1 <b>limitation</b> 190:3 <b>limitations</b> 44:19 137:15 <b>limited</b> 31:13 33:7 46:14 176:6 185:22 196:22 272:15 277:18
---	--	--	---

<b>limiting</b> 98:19 225:7	238:23,24 241:7 241:12,16,24 288:5	119:14 141:17 172:17,22 174:10 221:21 242:4 276:10 281:7,18 282:7 321:24 324:15,16 326:14 328:20 334:1 337:18 338:19	<b>looking</b> 44:14 59:13 112:23 149:9 194:11 211:17 222:24 227:8 228:4 244:18 245:24 264:9 293:4,11 295:23 296:13 304:10,16 305:10 310:20 329:23 340:12
<b>line</b> 66:24 74:1,16 76:15 96:19 160:19 168:2 169:23 215:9,21 279:6 305:16 307:7,14,16 327:12 346:13 348:7 349:3	<b>little</b> 9:10 35:9 67:10,14 69:1,5 86:21 88:10 100:12 115:22 116:13 140:7 145:14 146:4,12 151:13 160:12 163:4,15 174:12 176:18 178:4 179:20 189:16 192:5 210:20 211:2 213:7 218:23 224:24 240:9 247:3 262:16 264:11 277:1 280:14,21 304:13 307:6 323:10 328:1 330:12	<b>longstanding</b> 327:13 <b>look</b> 20:5 52:9 71:10 77:24 82:18 100:16 108:19 109:22 116:5 131:14 144:17,22 145:3 147:9 156:19 162:4 166:21 178:14 179:5 193:1 194:3 195:22 197:16 201:24 202:4 203:19 204:3,17 204:19 208:3 213:5,6,16 215:14 215:15 216:20 217:23 245:17 249:16 263:16 264:18,24 284:1 285:17 290:18 297:21 304:2 306:16 309:6 325:18,21 330:13 339:20 341:6 342:23	<b>looks</b> 101:4 306:14 314:11 316:1 <b>lortabs</b> 260:23 <b>lose</b> 100:7 <b>losing</b> 45:21,22 <b>loss</b> 145:9 146:9 146:20 195:17 <b>lost</b> 150:15 <b>lot</b> 37:24 47:15 58:23 68:24 71:22 74:5,16 75:14 81:22 98:11,20 105:13 108:24 133:2,15 138:20 140:16 151:21 160:2,16 165:6 170:3,18 173:4 195:11 197:22 219:8,9 265:20 276:5 282:21 292:12 330:23 333:13
<b>lines</b> 56:2 131:12 236:17 329:17			
<b>link</b> 280:1			
<b>linked</b> 169:3 302:18			<b>lots</b> 168:1 279:19
<b>list</b> 6:22 23:2,15 24:20 26:1 107:10 233:12			<b>loud</b> 340:13
<b>listed</b> 63:1,7 64:13 128:6 210:12 213:24 300:6 322:19 348:7,17			<b>love</b> 28:11
<b>listen</b> 103:21 108:22 162:2 276:18	<b>live</b> 44:17 281:8 <b>lived</b> 137:5 140:2 <b>lives</b> 277:9 <b>living</b> 102:8 125:1 211:23		<b>lower</b> 61:19 147:24 282:3 310:21,23
<b>listened</b> 242:8	<b>llc</b> 345:4		<b>lunch</b> 99:20 114:15,24
<b>listening</b> 105:17	<b>load</b> 300:5		
<b>listing</b> 348:7	<b>local</b> 11:15 30:7 31:5,5 58:5 70:14 70:16 71:16 74:3 84:19 127:16 130:7 136:1 301:1		
<b>lists</b> 25:12	<b>located</b> 1:21		
<b>literally</b> 46:11 58:8 78:7 129:22 134:3 151:3 165:18 170:9	<b>location</b> 37:12 <b>logorhythmically</b> 155:18		
<b>literature</b> 170:22 224:16,20 284:18 285:1,2,7 286:1 332:2	<b>london</b> 120:8		
<b>litigation</b> 21:13 30:12 118:24 227:6,17 228:2,13 230:17 235:12	<b>long</b> 16:14,20 79:21 91:20 93:18		
		<b>looked</b> 43:20 122:17 125:3 205:18 279:24 280:5 283:19 284:3 319:6 331:7 331:7 332:1	

## [m - meaning]

Page 37

<b>m</b>	282:17 283:2	<b>manuscripts</b>	286:17 287:22
<b>m</b> 9:4	305:23 306:1,1	295:20 298:10	288:5
<b>m.b.a.</b> 63:7	<b>making</b> 19:13	<b>march</b> 61:9	<b>matters</b> 155:9
<b>m.d.</b> 1:19 7:14	25:14 32:12 59:24	128:14,20,21	<b>mayor's</b> 296:16
55:2 115:4 181:2	70:21,23 71:1,4	173:3 207:10	<b>mba</b> 6:18,20 60:22
227:2,22 240:22	75:9 76:20 78:5	209:10	99:10
291:15 328:11	194:19 195:24	<b>marijuana</b> 312:1	<b>mcginness</b> 2:3
343:11 344:5	264:1,6 271:19	330:16 331:6	<b>mckesson</b> 2:17
345:5 346:8 347:4	323:20 326:20,21	<b>mark</b> 3:3 8:20	8:17 21:22 56:18
347:9 348:4,13	327:18 332:23	16:9,19 26:18	56:19,22 57:3
349:20	333:2	115:12 117:13	59:3 117:2 181:6
<b>m.p.h.</b> 63:4	<b>male</b> 191:18 286:5	118:7 179:22	<b>mcms</b> 5:14 308:10
<b>madam</b> 346:10	<b>malls</b> 165:11	182:9 185:15	<b>md</b> 6:17,20 60:22
<b>magic</b> 33:3	<b>man</b> 264:21	186:10 187:8	99:10
<b>mahaney</b> 3:9	<b>manage</b> 69:18	218:20 238:11	<b>mdl</b> 239:19
<b>mail</b> 5:6,9,13,14	135:22 179:13	239:6 286:13	<b>mean</b> 26:8,19
5:19 6:2,5,14	<b>managed</b> 129:24	308:20 346:5	28:23 32:19 34:3
27:13 28:1,17	<b>management</b> 63:8	<b>mark's</b> 187:23	35:11 42:17,23
61:7,12,14 246:19	66:9,10,11 69:12	239:3	43:1 52:2 57:8
255:1,9 295:4,12	69:24,24 70:3	<b>marked</b> 12:8	80:16 88:7 102:4
295:22 298:20	121:22 264:3	23:16 60:24 99:12	107:20 113:15
299:11,20 303:16	<b>managing</b> 74:2	182:14 183:24	114:9 129:18
304:6,12,19 308:7	329:18	246:24 254:21	133:17 134:23
308:9 309:7,8	<b>mandate</b> 56:3,3	295:8 299:14	137:14 145:7
312:24 313:7,9,16	<b>manner</b> 103:1	303:23 308:15	152:7 155:13
313:20 316:11	<b>manufacture</b>	313:3 339:10	167:16,17 170:15
339:6,19,20,21,24	137:21	<b>market</b> 302:11	201:10,11 219:13
340:2,5,13,18,21	<b>manufactured</b>	<b>marshall</b> 125:9	220:8 233:1,4
341:3,4,9	257:7	<b>massey</b> 5:9 295:4	239:14 241:19
<b>mail's</b> 313:12	<b>manufacturer</b>	295:14	279:11 283:8
<b>mailed</b> 6:15 313:1	78:16 189:19,23	<b>master's</b> 60:17,18	287:1 288:6
<b>mailing</b> 37:12,19	<b>manufacturers</b>	72:9 120:3,7	290:10,18 293:9
<b>mails</b> 17:6,8,12	35:22 43:16 76:10	<b>mat</b> 6:15 313:2	300:24 301:22
27:10 242:21	76:14 77:16	318:7	310:22 313:17
<b>maintaining</b> 272:8	190:10	<b>maternal</b> 128:24	342:2
<b>maintenance</b>	<b>manufacturing</b>	<b>math</b> 174:18 178:4	<b>meaning</b> 33:23
34:22	39:15 105:3	178:6 216:3	44:12 112:13
<b>major</b> 67:12	137:21	<b>matter</b> 7:15 32:24	150:2 160:10
256:10 306:15,20	<b>manuscript</b> 298:4	103:9 105:15	162:8 170:7
<b>majority</b> 166:4,9	298:9	107:2 131:16	211:23
166:14,18 274:5		155:8 262:22,23	

<b>means</b> 13:14 25:24 44:7 137:19 152:7 157:12 215:7 244:21 248:18,22 <b>meant</b> 26:21,23 35:8 43:6 124:20 179:11,12 209:24 <b>measure</b> 147:12 209:3 329:22 <b>measures</b> 15:22 <b>mechanism</b> 53:9 55:18 169:21 170:13 177:15 333:12 <b>mechanisms</b> 170:11,12 275:7 335:19 <b>media</b> 6:3 7:13 55:1 58:4 115:3 181:1 227:1,21 240:21 291:14 328:10 339:7 343:12 <b>median</b> 206:20 212:15 <b>mediation</b> 289:22 <b>medicaid</b> 124:17 207:3,8 208:6,9,16 208:17,18,19 209:14 215:4 320:10 <b>medical</b> 38:6 58:12 63:12 64:23 65:13 68:8,11,16 68:17 69:6,7,18,24 73:8,10 76:4 87:10 91:16 92:20 93:1 94:6 121:1 123:18 124:18 128:19 130:20 131:6,23 132:11	181:18 197:13 202:19 212:9 252:4,23 253:3 259:13 296:20 297:22 301:5 309:11,13 315:13 <b>medically</b> 280:23 281:1 <b>medication</b> 145:21 149:5 159:3 163:7 222:22 294:5 314:8 316:22 317:9 <b>medications</b> 46:23 66:19 67:3,3,4,6 75:16 150:6 151:16 152:22 155:5 160:3 161:9 163:8 169:15,18 197:2 212:21 278:11 283:4 291:21 292:1,3 <b>medicine</b> 40:18 60:16 62:21 63:1 63:11 64:1,4,4 65:10,11,16,17,18 67:19 68:1 69:8 72:14 86:3 91:14 91:21 92:9,10,13 92:19 93:10 120:17,21 121:1,6 121:10 122:10 124:19 149:19 159:5,6 188:16 189:6,7 217:5 223:11 225:19,20 226:2,10,13 264:2 272:6 283:14 294:1,21,24 337:17	<b>medicines</b> 160:5 <b>meet</b> 16:14,18 28:5 <b>meeting</b> 17:17 18:5 42:3 134:1 196:15 <b>meetings</b> 20:9 42:4 <b>meets</b> 344:15 345:5 <b>meharry</b> 68:15 69:7 121:1 <b>melton</b> 6:5 246:19 <b>member</b> 91:14 92:5 <b>member's</b> 294:1 <b>members</b> 51:23 82:23 133:10 300:21,23 <b>memory</b> 295:23 296:4 <b>men</b> 147:21 173:17 <b>mental</b> 277:10 319:14 <b>mention</b> 93:12 127:5 129:11,11 148:1 <b>mentioned</b> 10:7,24 11:6 22:16 25:4 27:9,10 28:3 36:5 45:21 103:19 105:14 109:15 128:9 129:2 137:12 146:11,22 155:11 190:23 194:20 204:1 205:1 215:5 253:13,21 259:2 273:1,2 275:13 276:7 278:17	329:4,17 333:14 <b>merit</b> 1:21 <b>mess</b> 100:7 <b>message</b> 76:6,9 86:5 149:8 210:1 <b>messages</b> 74:7 153:19 <b>messaging</b> 76:9 <b>met</b> 9:9 15:24 16:13,16 142:15 <b>meth</b> 105:11 166:13 279:7 <b>methadone</b> 160:6 160:7,10 <b>methamphetamine</b> 256:17 257:9,13 257:14,23,24 258:4,7,10,10,18 258:19 275:18 276:3 279:12 284:8 318:17 321:20 <b>methamphetami...</b> 165:23 244:1 276:1 <b>method</b> 133:6 <b>methodology</b> 285:8 <b>methyl</b> 302:16 <b>meticulous</b> 132:24 <b>mexico</b> 258:2 <b>micro</b> 333:22 <b>microlevels</b> 333:23 <b>microphones</b> 7:4,8 <b>mid</b> 94:20 148:8 221:9 <b>middle</b> 129:22 340:21 <b>midwest</b> 346:17 349:1
---	--	---	---

<b>migration</b> 194:22 <b>miles</b> 74:16 273:6 <b>million</b> 97:18 114:4 147:5,12,14 147:15 174:12 198:12,13 266:17 280:10 <b>millions</b> 266:16 <b>mind</b> 43:24 81:7 83:20 84:1 166:10 202:10,14 203:10 214:9 240:6,7 <b>mine</b> 264:9 <b>minimum</b> 92:24 146:2 <b>mining</b> 144:12 145:6,11,12,23 195:20,23 197:19 <b>miniscule</b> 145:22 <b>minuscule</b> 26:4 52:21 167:9 <b>minute</b> 83:3 108:14 179:21 180:17 226:18 267:2 286:8 327:2 <b>minutes</b> 16:23 51:9 54:18 103:9 103:9 105:16 107:3,3 180:1,10 308:22 310:10 328:2 338:7,15 <b>miscommunicati...</b> 219:7 <b>misconstruing</b> 326:3,5,8 <b>missed</b> 228:18 259:24 267:17 303:6 <b>missing</b> 209:23 <b>mission</b> 128:21	<b>misstate</b> 298:13 <b>mistake</b> 14:18 224:1 <b>mistaken</b> 90:7 <b>misuse</b> 321:23 322:1 327:13 332:8 <b>misusing</b> 330:9 <b>mixed</b> 198:1 <b>ml</b> 239:19 <b>mlp</b> 26:21 30:13 34:22 227:19 228:15,24 231:16 231:22 232:24 234:17,21 236:21 237:3,24 239:19 287:1 288:5 289:10,16 290:6 <b>mmwr</b> 5:10 295:5 298:1 <b>mobile</b> 131:12 <b>mock</b> 5:13 308:7 309:9,11,13,15 339:21,22 <b>mom</b> 80:23 <b>moment</b> 240:6 309:3 321:19 <b>moms</b> 128:23 173:6 <b>money</b> 174:24 175:8 176:16 <b>monique</b> 2:4 182:7 183:1,8 184:18 <b>monitor</b> 56:3 143:10,16 <b>monitored</b> 70:24 270:10 <b>monitoring</b> 40:19 42:15 58:11 70:20 88:24 89:5,11 130:21 132:7	134:14 143:8 250:7 251:13 <b>monogamous</b> 110:15 <b>monster</b> 154:21 161:1 277:24 <b>month</b> 37:6,23 80:3 269:19 270:2 <b>months</b> 25:21 27:11 93:17 138:15 260:23 281:8 <b>moons</b> 36:14 <b>morgantown</b> 315:5 316:4 <b>morning</b> 7:2 9:9 129:15 <b>morphine</b> 153:3 164:15 170:13,14 177:2,4 <b>mother</b> 169:24 <b>mothers</b> 133:11 320:10,11,14 <b>motion</b> 231:3 <b>motley</b> 2:4 234:18 236:13 <b>move</b> 32:8 50:16 115:19 198:18 212:12 217:8 232:11,11,18 266:19 286:19 <b>moved</b> 70:7,9,11 171:17 <b>movement</b> 195:17 <b>moving</b> 177:24 194:18 196:9 211:1 323:6 <b>mph</b> 6:17,20 60:22 99:10 <b>mr.colantonio</b> 187:1	<b>mt</b> 2:5 <b>muffled</b> 192:5 <b>mullen</b> 255:10 <b>mullins</b> 255:10,12 <b>multi</b> 136:10 <b>multiple</b> 73:21 192:16 197:1 244:4,16 301:13 319:17 334:19 <b>multiply</b> 174:18 245:21 <b>mute</b> 191:21 <b>muted</b> 185:14 338:16
			<b>n</b>
			<b>n</b> 7:1 <b>n.w.</b> 2:12 <b>naive</b> 163:20 <b>naloxone</b> 44:15 126:12 160:6,17 <b>name</b> 7:22 23:1 24:16,19 73:9 166:13 183:10 188:13 189:12 253:5 285:7 313:10,11 328:18 346:6 347:3,4,15 348:3,4,21 <b>named</b> 341:6 <b>names</b> 28:12 131:12 <b>napoli</b> 229:2,4 242:19,20 <b>napolini</b> 242:17,18 <b>narrow</b> 321:17 <b>narrowly</b> 22:9 <b>nas</b> 168:9,12,13 172:5,22 173:1,1 174:13,14 <b>nashville</b> 68:16,21 68:21 69:4 121:1



[nation - number]

Page 40

<b>nation</b> 113:7 206:23 <b>nation's</b> 97:4 <b>national</b> 6:12 31:12,15,16 32:18 58:4 97:13 122:22 179:5 254:19 255:23 275:22 320:9 <b>nationally</b> 57:24 105:21 122:21 220:13 319:14 <b>native</b> 304:14 <b>natural</b> 177:10 <b>nature</b> 10:11,23 11:1 37:20 71:23 85:15 151:18 234:2 278:5 286:14 310:19 <b>nearly</b> 311:10 <b>necessarily</b> 103:17 103:20 157:15 208:6,12,14 209:22 211:15,22 212:3 244:5 254:11 282:20 330:20,24 337:16 342:2 <b>necessary</b> 280:23 281:1 <b>necessity</b> 329:20 <b>need</b> 14:5 27:21 38:17,18,24 39:6 39:12 46:23 109:24 116:8 142:11 143:3 144:1,14,20,21 146:3,11 153:20 154:12 156:13 159:12,18,20 164:11 177:11,19	179:12 192:2,10 192:18,21,22 195:18 196:16 199:15,17 200:24 201:16,20 202:5 203:6,12,19,23 204:17 205:2,16 206:13,14 208:1,4 208:11 209:3,19 210:5 211:12,13 212:20,21 213:9 213:18 215:11 226:17 273:8 278:12 281:22 319:13 322:10 334:7 <b>needed</b> 27:22 46:23 145:20 163:18 198:12 212:17 256:20 279:10 286:2,3 <b>needs</b> 5:20 88:3 143:4 146:7 155:9 164:11 177:11 191:21 199:2 200:1 201:2 211:18 303:17 334:2 <b>negotiation</b> 142:14 <b>neither</b> 11:11 165:7 294:10 344:11 <b>neonatal</b> 97:17 136:20 168:13,14 170:17 <b>neurobiologist</b> 337:23 <b>neurobiology</b> 337:15,17 <b>neuroreceptors</b> 337:10	<b>neurosurgery</b> 66:3 <b>never</b> 45:23 228:20 257:8 283:3 290:10 331:6,7 <b>new</b> 99:14 127:3 131:2 167:21 169:22 283:13 302:20 342:3 <b>news</b> 131:2 <b>nice</b> 264:11 <b>nicole</b> 2:19 8:16 <b>nicotine</b> 334:19,22 <b>nine</b> 171:4 326:18 343:12 <b>ninth</b> 2:7 <b>nodded</b> 284:23 <b>non</b> 340:6 <b>nonfatal</b> 178:9 274:18 284:15 285:4 <b>noninvolved</b> 167:2 <b>nonmedical</b> 275:4 <b>nonopioid</b> 213:2 215:20 275:17 <b>nonparty</b> 338:10 <b>nonpharmaceuti...</b> 212:22 213:1 215:18 <b>nonprescription</b> 253:14,22 <b>nonprescriptions</b> 305:13 <b>nonresponsive</b> 198:19 266:20 <b>nonretained</b> 119:6 119:10,11 231:19 233:16 <b>nonthreatening</b> 173:13	<b>noon</b> 114:14 <b>norm</b> 150:2 <b>normally</b> 300:8 <b>northwestern</b> 62:16,17 <b>nos</b> 7:19 112:9 303:15,24 308:6 308:17 <b>notarized</b> 346:14 <b>notary</b> 344:4 346:24 347:10,18 348:15,23 349:23 <b>note</b> 7:4 12:17 50:6 54:14 298:19 346:12 <b>noted</b> 8:24 119:17 <b>notes</b> 226:19 344:9 <b>notice</b> 1:20 6:22 23:14 239:15 <b>noticed</b> 180:6 239:13 <b>noticing</b> 8:10 <b>notified</b> 296:18 <b>noting</b> 298:22 <b>nova</b> 123:2 <b>novel</b> 5:7,8 299:12 299:14 300:11 302:11 <b>november</b> 127:24 <b>nows</b> 168:14 <b>nuclear</b> 94:21 <b>number</b> 21:4 22:6 36:20,21 57:24 61:22 62:2 66:19 100:22 101:20 104:3,13 108:1 110:12 111:3,16 112:9,13 113:20 113:21 123:9 130:13,17,22 131:18 132:8,12
---	--	---	---

[number - okay]

Page 41

140:22 141:1 144:19 146:23,24 155:18 157:20 158:10 167:12,18 169:6 172:13 177:21,24 192:12 193:4 194:7,10 203:9,10,11 205:14 214:4 215:2 224:12 244:19 245:14,15 245:21,22 266:24 267:11,19 268:10 268:24 272:15 274:18 281:16 284:17,24 299:22 303:4,9 306:5 310:21,21,23 331:9 333:4 339:22 340:6 341:19 342:19 343:11 346:7,13 <b>numbered</b> 211:7 <b>numbers</b> 61:20 97:20 114:6 144:4 145:3 147:22,23 149:14 158:1 166:21 178:15 194:12,14 196:8 215:14 223:5 245:18 255:3 285:4 321:8 341:14,17,17,18 341:19 348:7 <b>nursing</b> 68:9 <b>nw</b> 2:20	<b>oath</b> 8:3 9:19 13:13,16 68:6 <b>oaths</b> 80:18 <b>obesity</b> 72:19 143:10 145:15 197:23 <b>object</b> 17:20 30:4 31:11 48:1 50:16 52:19 53:15 59:20 68:3 73:14 87:13 88:6 104:16 106:1 106:15 108:9 117:8 199:5,18 200:13 202:13 203:14,24 207:16 214:6 216:18 217:21 218:8,10 225:22 226:5 248:10 249:22 250:18 252:9 254:10 261:15,23 266:2 267:13,21 268:4,14 270:3 271:2,10 272:20 280:8 294:22 312:18 322:7 326:16 327:9 342:14 <b>objecting</b> 230:23 <b>objection</b> 25:2 49:18 50:8,14,15 50:15,20 117:3,10 117:12 119:13 181:7 186:8 198:23 200:14 220:1 230:4,13 <b>objections</b> 8:8 32:15 50:11,19 219:6 327:17 <b>objectives</b> 107:11 107:16,17 108:3	<b>obligation</b> 148:21 222:14 <b>obligations</b> 42:15 <b>obtain</b> 93:18 119:22 230:7 292:19 <b>obtained</b> 71:9 120:3,7 248:24 <b>obtaining</b> 258:21 330:24 <b>obtains</b> 269:15 292:8 <b>obviously</b> 31:18 37:16 96:15 127:1 127:13 178:16 183:10 289:17 <b>occasion</b> 17:13 134:8 <b>occasions</b> 64:5 <b>occupied</b> 160:12 <b>occupy</b> 160:15,20 <b>occupying</b> 160:20 <b>occur</b> 36:17 <b>occurred</b> 22:8 39:23 297:10 <b>occurring</b> 28:6 43:11 130:23 161:19 <b>occurs</b> 44:9 334:9 <b>ocme</b> 301:5 <b>october</b> 27:7 101:9 122:16 206:4 244:10 300:1 344:17 <b>offense</b> 324:9 <b>offenses</b> 37:17 <b>offer</b> 48:17 173:12 173:17 277:7 <b>offered</b> 12:20 <b>office</b> 6:12 43:23 58:13 102:7	124:17 125:11,12 129:15,20 131:7 132:11 133:7 143:9 165:17 171:22 239:22 240:1 252:5,23 253:2,3 254:18 255:22 296:16 301:4 317:19 331:1 <b>officer</b> 9:15 11:16 22:19 30:7,10 31:6,8 35:17 40:15 48:3,9 49:22 70:12,16 84:20 86:5 91:8 91:12,24 92:2,4 127:14,15,16,17 127:22 128:19,20 183:13 217:2 300:9 315:10 <b>offices</b> 76:13 131:23 <b>official</b> 347:15 348:21 <b>officially</b> 25:12 <b>officials</b> 165:3 171:2 <b>officio</b> 91:13 92:5 <b>oftentimes</b> 42:19 81:10 97:9 103:17 103:18 133:17 141:11 171:2,23 252:19,21 272:24 282:21 <b>oh</b> 51:8 238:19 <b>ohio</b> 167:22 346:2 <b>okay</b> 10:11 11:5,9 12:2,11 13:10 14:7 15:5 17:17 19:24 23:1,12,23
<b>o</b>			
<b>o</b> 7:1 <b>o'clock</b> 99:20 129:15 181:4			

[okay - opioids]

Page 42

24:2,8,23 26:22	310:11,18 314:20	<b>operator</b> 7:2 8:23	55:16 57:16,21
27:21 49:13 51:8	315:1 316:9,20	9:3 54:21 55:1	59:9 72:4 95:13
51:12 52:4,8 62:9	317:3,7 321:10	114:22 115:3	96:1,2,3,9 98:24
64:12 81:22 85:2	322:24 326:5,11	180:21 181:1,12	99:1,5 101:24
86:18,20 87:22	329:2 330:7 331:4	226:21 227:1,21	103:16 105:20,24
89:4 91:10 100:1	332:1,11,17,20	228:20 240:17,21	108:13,20 110:22
100:3,4,10,11	335:3,8 336:3,12	291:9,14 309:2	111:20 112:10
101:6,15 106:11	338:14,22 339:4	310:8,14 328:6,10	125:8,20 128:2
111:1,6,11,19	339:18 340:2	338:12 343:9	130:11 133:22
112:2 114:14,19	341:23 343:3	<b>opiate</b> 256:8	136:7 137:1
114:20 115:12,15	<b>old</b> 26:19 171:5	296:24 325:1	139:17 142:2
115:18 116:9,10	216:17 260:22	<b>opiates</b> 5:7,8	144:23 146:17
116:22 117:12	276:9 296:10	140:16 141:19	148:6 149:16
118:18 119:13	<b>oldest</b> 205:12	192:3 208:11	153:4 157:7 160:8
162:18 176:18	<b>once</b> 28:9 29:17	299:12,14 300:12	161:15 162:17
180:1,7,18 182:22	84:4 151:6 159:8	<b>opinion</b> 13:9 34:15	163:16,23 166:2
184:11 186:5,18	163:7 176:13	59:22 83:13,14	168:6,10,15 171:9
187:14,24 188:2,7	214:7,10 246:8	113:22 148:4	177:19,22 178:2
191:10 192:9,17	267:23	154:14,15 156:21	196:5 202:5
193:10,13 195:19	<b>ones</b> 10:13,24 21:9	165:19 168:3	211:18 213:2
200:16 202:7	74:21 85:6 113:1	177:17 181:7	221:7 223:8
203:9,21 204:23	128:10 189:1	199:20,24 200:7	224:18,18,22,22
206:19 207:3	210:5 229:24	200:18,22 201:14	225:6 227:6,17
208:13,24 209:17	260:12 262:13	202:8,21 204:10	228:2,13 235:11
211:11 212:11	305:12 319:5	219:21 220:9,10	241:7,12,16,24
213:7,23 214:11	<b>ongoing</b> 21:12	220:23	242:1 243:15
215:15,21,22	63:16 81:4 95:20	<b>opinions</b> 34:6,10	254:17 255:22
217:11 219:16	97:20	35:1 83:9 116:20	256:5,11 260:21
224:7 226:1,13,20	<b>online</b> 21:7 96:9	119:11 156:16	274:7 286:18
228:23 231:13,16	189:4	181:15 185:3	293:24 295:6
232:17 235:20	<b>onwards</b> 204:8,12	188:12 189:11	296:8,19 297:10
240:16 244:12,15	<b>ooo</b> 343:19	229:13,14,22	302:13 305:22,23
249:11 255:6	<b>open</b> 12:2 23:5	230:7 235:9,10	312:9 321:16,18
256:3,8 257:19	60:19 100:6 133:6	236:3,5,16 237:11	324:1,3,7 325:4
258:17 265:12	250:19	237:22 238:7,8	329:9,24 330:8
269:22 279:21,22	<b>opens</b> 36:22	241:1,3	331:5,12,19 332:7
287:18 288:3	<b>operations</b> 46:21	<b>opioid</b> 5:11 6:11	332:8 335:11
290:18 291:7,8,10	<b>operative</b> 141:12	30:12 31:20 32:20	<b>opioids</b> 22:11
293:18 295:17	196:23	32:21 34:14 35:11	31:22 33:8 35:15
303:14 304:15,20	<b>operatively</b>	40:16 43:13 48:18	39:6 42:1 47:19
305:15 309:5	141:15	49:16 52:17 53:19	66:13,18,24 67:16



**[opioids - overwhelming]**

Page 43

67:23 69:13 75:13 76:10 77:1,13 78:11 81:23 82:4 82:14 86:22 87:4 87:9 88:2,14 89:7 90:10,22 95:3,8,21 104:21,22 113:3 122:23 123:21 127:11 128:7 129:9 130:3 132:16 136:17 140:10,14 141:3 141:13,24 142:8 143:2,16 144:1,12 144:14,21 146:7 148:3 152:1,2 154:21 159:24 161:17 168:16 169:23 170:4,6 176:19,22,23 177:9,10 179:1,8 188:19 191:4 192:1,11,18,22 193:6 197:2,7,9,12 197:14 201:1 203:7,12 206:15 208:2,5,20 209:4 209:20 211:14,21 212:6,8,24 213:10 213:18,19 214:17 215:9,22 218:13 219:22,23 220:14 220:20 221:12 223:23 224:6,8 225:17,20 243:19 252:8,21,24 253:6 256:10 258:24 259:11,12 260:6 263:21 266:13,24 267:11,19 268:3 268:11,19 269:2	269:14,19 270:1 272:16 274:23 275:2,15,24 276:2 276:10,14 277:15 278:10 279:1 280:1,6,12 281:6 281:19,22 282:7 282:10,18 284:5,8 291:19 292:9,18 293:6,20 302:11 305:14 319:9,12 321:18,21 329:15 330:10,15 333:4 333:13 335:24 336:6,8 337:3,9,19 337:22 <b>opportunities</b> 138:23 <b>opportunity</b> 18:16 44:17 59:15 100:9 115:9 322:15 323:7 324:11 <b>opposed</b> 26:4 80:20 104:23 145:23 176:23 224:14 279:7 <b>opposing</b> 99:18,21 114:17 <b>opposite</b> 87:17 333:19 <b>options</b> 212:22 213:1,2,2 215:18 215:20 <b>order</b> 127:4 138:3 153:11,22 155:2 176:12 179:13 188:15 189:5 202:1 214:15 217:8 266:13 267:1,12,20 269:1 269:2,14,18 270:1	272:16 334:3 <b>ordered</b> 96:7 183:20 <b>ordering</b> 267:14 <b>orders</b> 188:17 270:10 272:9,10 <b>original</b> 166:1 <b>originally</b> 168:6 <b>osteopathic</b> 121:5 <b>outbreak</b> 5:11 97:4,5 135:17,19 136:4,7,10 295:7 295:21 297:11 299:4,7 <b>outbreaks</b> 97:2 135:22 <b>outcome</b> 8:4 <b>outed</b> 136:2 <b>outer</b> 153:9,20 <b>outline</b> 42:7 <b>outlining</b> 216:15 <b>outpatient</b> 65:12 68:23 <b>outset</b> 186:13 <b>outside</b> 20:9 25:10 131:17 <b>overall</b> 76:11 113:12 143:11,14 146:10 147:17 179:23 212:21 <b>overdoes</b> 183:4 302:19 318:18 <b>overdose</b> 5:11,23 6:3,6,7 22:6 124:22 151:10 162:23 163:1 165:1 166:21 167:11,13,13 168:4 178:7,9,10 178:12,16 182:12 182:19 183:23	184:7,16 220:15 243:4,9,17,24 244:3,20 245:16 246:20,22 250:5 256:10,16 274:16 275:11 284:12,14 284:21 285:10 295:6 296:20,24 297:10 301:6 302:7,12,18 303:4 303:8,21 305:8 306:16 307:20 318:12 331:12,15 339:7 340:10,15 342:16,17,17,20 343:1 <b>overdosed</b> 126:8 165:5 340:7 342:1 <b>overdoses</b> 113:12 130:17 178:5 244:16 247:13 274:19 284:15 285:3,4,21 296:8 318:15 330:8 331:19 341:20 <b>overdosing</b> 284:13 <b>overlaid</b> 218:13 <b>overlap</b> 306:8 <b>overlay</b> 230:14 <b>oversaw</b> 130:20 135:17 <b>oversight</b> 6:10 254:15 255:17 <b>oversupply</b> 22:10 <b>overview</b> 182:13 182:18 183:4 218:9 <b>overwhelmed</b> 131:18 <b>overwhelming</b> 43:6 45:2 142:10
---	---	--	---

[owned - pdf]

Page 44

<b>owned</b> 81:11 <b>owner</b> 345:3 <b>oxycodone</b> 191:7 191:11 306:11 307:4 <b>oxycontin</b> 259:14	78:12,13,15,20,20 78:24 79:3,12 86:23 87:1 103:18 140:17,19 141:10 141:16 144:7 148:10,11,12,15 148:22 149:12 157:9 196:17,21 196:23,24 197:2,4 197:5 198:5,8,14 198:21 199:15,17 202:3 207:12 211:13 212:21 222:3,4,5,15 223:3 259:2,3,11 260:19 261:19 263:23 264:3,8,10 279:19 281:7,19 282:4,8 292:14 294:14 <b>painkillers</b> 312:9 <b>pandemic</b> 96:16 131:3 <b>panned</b> 283:15 <b>paper</b> 97:22 174:4 316:21 322:5,18 <b>para</b> 302:15 <b>parachute</b> 201:18 201:19,20 <b>paragraph</b> 256:5 296:15 297:7 302:10 318:6 319:8 321:12 322:11,12 323:11 323:19,22,23 <b>parallel</b> 144:14 290:20,22 <b>parent</b> 59:7 <b>parents</b> 171:2,16 171:16 <b>parking</b> 74:16	<b>parroting</b> 50:7 <b>part</b> 38:8 41:17 42:18 50:1 72:6 76:21 81:21 93:21 94:24 95:4 110:11 113:7 122:12 136:9 137:7 143:6 145:9 169:1,8,9 174:23 184:9 200:9 201:23 220:4 221:10 237:22 255:20 259:21 260:3 265:21 266:9 273:9 275:20 294:6 303:6 311:4 314:16,22 316:10 333:11 348:9 <b>participants</b> 94:19 95:6 <b>participate</b> 63:15 <b>particular</b> 18:17 27:17 53:10,22 83:19,24 85:5 93:17 94:14 108:23 118:20 189:20 191:5 192:14,23 194:13 206:17 214:23 217:18 219:21 261:10 284:1,19 285:8 294:4,4 306:6 335:10 <b>parties</b> 1:21 7:11 125:23 344:12,14 <b>partners</b> 300:18 <b>parts</b> 109:9 256:11 <b>party</b> 8:3 11:11 117:5 119:8 239:20 290:19	<b>pass</b> 115:7,10 328:14 <b>passed</b> 43:24 44:5 122:12 142:10 167:17 270:23 271:12 <b>passing</b> 92:23 125:23 142:21 <b>passionate</b> 102:14 102:20 <b>path</b> 335:21 <b>pathway</b> 163:19 316:23 317:12 333:7,7 <b>pathways</b> 335:2 335:19 336:23 <b>patience</b> 338:18 <b>patient</b> 68:5 77:17 86:10 88:1,15 90:20 112:17 130:5 252:14 276:17 292:2 <b>patients</b> 44:13 46:22 65:12,24 66:3,5 67:5 74:15 75:1,20 78:3 148:22 222:14 252:17 263:8,20 276:8 277:14 294:12 <b>pattern</b> 266:18 274:11 <b>paul</b> 2:6 8:18 28:14 29:19 187:6 <b>paused</b> 228:22 <b>pay</b> 37:2 134:16 <b>paying</b> 290:20 <b>payors</b> 124:19 <b>pbs</b> 123:2 <b>pdf</b> 310:20
---	---	--	---

[pdmp - phone]

Page 45

<b>pdmp</b> 89:12	208:19 211:21	<b>period</b> 146:14	248:15,16,21
<b>pdo</b> 134:13	212:6 215:16	243:13 245:9,16	265:12,14,21,24
<b>peak</b> 156:11	217:4 243:11	264:16,17,24	266:3 267:14
<b>peaked</b> 246:1	247:12 263:14	265:1 297:1	268:19 269:23,24
<b>peaking</b> 264:22	264:7,21 271:18	306:17 316:16	271:6,9
<b>pediatrician</b>	271:19 273:17	334:8	<b>pharmacist</b> 80:12
171:22,23	274:18 277:19	<b>permissible</b> 17:22	80:21,22 82:10,20
<b>peek</b> 204:2	278:23 279:7	<b>permitted</b> 40:4	83:7 86:11,13,14
<b>peer</b> 122:18	280:10,14,22	<b>person</b> 34:9 81:10	87:22 88:1,3,11
123:16	281:2,9,16,18,20	119:11 133:16	90:3
<b>peia</b> 175:19	281:21 282:13,18	134:15 136:2	<b>pharmacists</b> 80:17
<b>pending</b> 232:15	283:2 284:12,21	143:24 147:19	80:18,24 83:6
235:8,21 298:24	285:10 292:11,12	153:18 154:18	85:8 89:4,22 90:8
<b>pennsylvania</b>	292:17 293:8,12	159:5,8 178:5,7	270:9
167:23	293:15 311:11,20	241:20 244:22	<b>pharmacology</b>
<b>penultimate</b> 256:4	311:24 312:4,8	245:2,6 278:8	65:21 66:16
<b>people</b> 28:10 43:7	314:19 327:22	281:11 331:5	<b>pharmacy</b> 39:11
44:4,12 45:16	330:8,14 331:19	<b>personal</b> 10:23	40:18 41:9,11,18
46:9 47:2,5 70:22	334:13 339:23	20:24 73:3 117:6	41:24 51:16,17,20
74:18 90:14 98:2	<b>people's</b> 294:24	118:11 185:24	51:23 52:5,9,12,16
98:2 103:8,12	<b>percent</b> 97:16	186:2 252:16	53:3,12,14,18 54:3
105:14 107:1	111:24 124:11	<b>personally</b> 97:6	66:8,8 68:9 79:21
123:4,9 126:4,6,10	136:14 157:22	127:2 160:22	80:9,20,21 81:11
126:13 132:21	158:22 162:6,16	187:2 220:22	84:9 85:13,21
134:2,2,2,4,23	166:16,19 167:20	251:7 309:22	86:2,6,14,14 90:5
137:23 138:22	172:12 174:14,16	331:22 347:11	90:18,19 112:16
144:19 145:17,20	196:19 204:11	348:15	121:14 124:18
145:23 147:14,15	207:7,13,22 209:7	<b>perspective</b> 39:11	134:12,16 135:7
147:21 150:3,5,8	209:7 216:1,6,7,8	42:5 96:6,8 262:8	251:16,18,24
150:12 154:2,8	217:12,16 219:22	330:1	266:14,24 267:11
155:18 158:11	220:19 245:23	<b>pertained</b> 19:11	267:20 268:2,2,6
159:15,18,22,24	246:5,9,9 264:13	<b>pets</b> 155:4	268:11 269:1,2,13
160:1,21 163:1,6	265:8 273:3	<b>pharmaceutical</b>	269:18 272:16
163:17 164:7,12	324:24 331:8,8,8,9	73:22 170:12	273:7 274:2
164:18 165:6	<b>percentage</b> 150:21	213:1 215:20	292:22
166:3,5 167:1,2,4	172:14 208:9,17	257:15 258:9	<b>phenomena</b>
175:24 176:1,23	211:8 245:13	<b>pharmacies</b> 36:2	275:19
177:24 178:1,2,8	272:17 281:1,9	39:5,12 43:18	<b>phenomenon</b>
178:10,11,13,15	282:2,3,8,12,13,16	83:16,19 84:1,5,14	164:6
178:17 179:13,16	<b>perfectly</b> 32:13	84:17 85:5,10,21	<b>phone</b> 16:19,20
201:17,18 208:9	35:7	85:24 90:3 105:5	27:15 119:16

[phone - policy]

Page 46

187:13 228:21 346:3 <b>phones</b> 7:7 <b>phrase</b> 277:23 <b>physical</b> 151:18,22 294:24 <b>physically</b> 132:3 <b>physician</b> 25:23 63:16 64:22,23 65:5,9 68:23 70:17 71:21 74:1 82:13 84:8 123:23 129:3 143:23 225:10 247:18 252:12 276:13 280:13 293:23 337:17 <b>physicians</b> 38:16 38:21,22 44:8 46:2,24 76:17 78:2 110:4 188:17 249:12,20 261:8 261:11 264:14 265:9,15 300:16 <b>physiological</b> 151:18 <b>pick</b> 7:5 <b>picking</b> 187:11 325:15 <b>piece</b> 72:5 161:8 190:14 228:18 324:13 <b>pieces</b> 44:6 96:11 109:8 116:15 125:18 138:19,21 323:6 324:9 325:16 <b>piecing</b> 322:13 <b>pill</b> 221:8 292:14 <b>pillars</b> 216:4	<b>pills</b> 35:23 36:1 43:13 47:8 103:19 113:18,21 114:4,9 114:12 130:13 146:17,24 147:5 147:13 148:6 149:17,18 154:24 156:7,19 157:12 166:11 168:6 177:14 178:20 193:23 198:12 223:9,10 226:1,9 226:10,13 266:16 275:5 330:24 <b>pink</b> 302:14 <b>pinky</b> 302:14 <b>place</b> 7:7,11 38:5 82:17 138:1,2 142:17 161:21 220:21 230:3 269:13 275:8 344:6 <b>placed</b> 68:22 148:18 222:11 266:13 <b>placenta</b> 169:19 170:8 <b>places</b> 68:19 141:13 152:4 165:16 269:18 314:18 <b>plainly</b> 43:8 <b>plaintiff</b> 1:5,12 21:16 25:13 <b>plaintiff's</b> 182:9 182:11,15 183:22 184:1,4,13 204:5 218:6 221:5,6 <b>plaintiffs</b> 2:2 6:22 8:19 10:16 11:10 11:12,18 21:17	23:2,14 24:10,12 24:24 25:16 27:3 28:1 29:2 33:14 117:23 118:8 214:14 231:9 233:12,18 234:11 234:23 237:5 239:4,7 240:3 <b>plan</b> 29:7 37:13 <b>plane</b> 201:17 <b>planning</b> 173:14 173:18 174:1 317:19 <b>plans</b> 37:22 <b>plausible</b> 248:12 <b>play</b> 155:10 230:15 260:19 <b>played</b> 79:2 165:13 259:19 <b>playing</b> 98:12 164:22 <b>pleadings</b> 119:7 <b>pleasant</b> 2:5 <b>pleasantly</b> 175:7 <b>please</b> 7:4,6 8:9 9:1,3 12:2 14:13 20:15 22:2 23:5 24:1,7 32:15 36:10 41:12 43:24 54:14 62:2 64:8 64:15 92:16 93:23 99:7 108:10,10 113:4 181:12 183:2 192:6 205:22 206:8 211:16 214:12 216:23 226:8 227:14 228:10 244:12 253:16 259:24 268:1 285:5 299:9	303:13 308:1,5 312:21 317:3 318:2 321:7 323:18 333:1 339:1 346:11,11 <b>plenty</b> 83:14 <b>plus</b> 198:4 201:11 245:13 319:19 <b>pogue</b> 2:14 8:14 <b>point</b> 11:17 20:5 34:22 38:15 55:15 55:15 59:4 71:19 78:24 80:11 84:3 94:3 106:17 107:21 118:14 127:1 145:2,16 150:11,20,24 154:18,20 161:16 169:14 171:5 181:10 185:22 200:10 215:10 221:21 230:11,12 230:18 232:1 236:8 240:8 247:9 247:10 255:6 282:14 296:4 297:19 299:5 306:13 329:24 331:17 332:22 333:1 334:6 337:8 337:24 340:11,16 <b>pointed</b> 233:13 <b>points</b> 103:10 106:12,13 107:3,5 107:7,9,12,13,18 107:24 108:1,2 <b>police</b> 125:15 <b>policies</b> 43:24 <b>policy</b> 6:12 44:6 72:8 73:4 75:9 78:5 92:21 121:22
--	---	--	---

125:11 138:10 254:19 255:23 273:16 276:12 296:17 317:19 <b>political</b> 208:21 <b>politico</b> 123:7 <b>polysubstance</b> 318:7 <b>poor</b> 143:12 197:22 211:24 320:15 <b>pops</b> 80:23 <b>population</b> 69:1,5 72:18 143:4 146:9 147:14 149:10 156:12 157:6,15 166:19 167:4,6 169:9 172:13 193:18 194:20 195:17 198:13 199:14 201:14 205:3,6 207:14,23 208:7,16,17 209:7 209:8 211:8 223:1 266:17 273:2,3 280:21 282:6,9 324:21 334:9 <b>populations</b> 205:12 319:17 321:23 <b>porter</b> 283:14 <b>portfolio</b> 33:6 <b>portion</b> 166:5 <b>position</b> 48:11,16 48:23 55:11,20 65:9 91:22 92:1,6 92:7 117:21 118:2 121:5 128:10,17 186:11 187:23 234:12 237:21 283:10 290:21	<b>positions</b> 48:16 120:11 128:1 <b>positive</b> 152:15 <b>poss</b> 198:8 <b>possess</b> 139:4,6,16 293:20 <b>possession</b> 189:3 293:5 <b>possible</b> 49:7 176:11 196:15 198:7,10,20 248:12 264:7 272:7 282:13 328:19 <b>post</b> 141:12,15 196:23 <b>posted</b> 69:16 <b>potent</b> 164:15 165:2 <b>potential</b> 139:14 172:3 335:21 <b>potentially</b> 52:23 67:4 82:23 83:2 116:21 140:4 194:11 195:14 279:20 <b>power</b> 45:1 53:19 54:4 86:7 138:11 176:8 <b>powerpoint</b> 309:15 <b>powerpointing</b> 305:2 <b>powerpoints</b> 304:14 <b>practice</b> 37:12 40:1 55:19 63:22 64:22 65:7 86:19 92:19,20 94:6 142:20 157:9	<b>practiced</b> 63:24 64:3 <b>practicing</b> 68:18 68:20 79:13 188:19 261:9 <b>practitioner</b> 137:5 <b>precedes</b> 332:7 <b>precise</b> 281:17 <b>precursor</b> 258:17 <b>predictions</b> 194:17 <b>predilection</b> 172:6 <b>predominant</b> 321:22 <b>prefrontal</b> 153:10 <b>pregnancy</b> 320:9 <b>pregnant</b> 169:6,8 169:14 175:3 320:13,14 <b>preliminary</b> 6:22 9:18 23:2,14 298:4 303:3 306:12 318:10 341:16,19,23 342:8 <b>prematurely</b> 342:7 <b>preparation</b> 18:4 19:7 <b>prepare</b> 15:13 17:19 <b>prepared</b> 34:6,10 185:7 <b>preparing</b> 18:20 <b>prescribe</b> 36:8,12 36:24 37:14,22 38:3,4,17 39:1 44:10 46:3 67:16 67:18 73:23 140:10,14 141:20 248:7 268:23 292:2,21	<b>prescribed</b> 129:9 172:2 224:5 225:17 280:13 282:7 283:3 291:22 292:3,9,18 293:6,21 294:3 <b>prescriber</b> 82:17 88:13 252:12 <b>prescriber's</b> 275:3 <b>prescribers</b> 38:20 38:21,24 46:24 74:20 76:2 78:2 112:18 113:2 247:20,24 248:6,8 249:5,13,17 260:13,17 261:3 261:12 262:9,16 262:21 263:1,17 263:19 265:15 268:22 270:16 <b>prescribing</b> 37:13 37:22 42:11 66:12 66:17,18,20,22,23 67:23 68:1 72:4 75:4 94:2 110:5 114:10,10 141:23 149:16 150:10 157:7 162:22 188:18 214:22 223:7 224:18 259:11 263:21,23 268:18 270:17 282:4,5 294:14 <b>prescription</b> 22:11 35:15 39:6 43:13 47:19 66:13 67:3 68:1 69:13 76:10 77:1,13 78:11 82:4,14,17 86:22 87:3,9,15,16,18,19 87:21,23 88:2,4,14
--	--	--	--



[prescription - privileged]

Page 48

88:19,21,22,24 89:5,6 90:10,22 95:3 105:9 111:20 113:17 126:5 127:7,8,9 129:24 134:14 147:18 154:24 155:1,2 156:2,3,5 163:8,14 163:17,20 166:11 177:14 178:20 179:1 191:4 192:1 192:2,10,18 193:5 195:19 197:12,14 200:24 203:6,12 206:15 208:4,11 209:4,20 211:13 211:18 213:9,18 213:19 218:13,13 219:22,23 220:14 221:11 223:23 224:6,8,8 225:8,20 226:9,10,13 243:19 248:20 253:24 254:7 259:11 260:21 261:1 266:13,24 267:11,19 268:3 268:11 269:2,14 269:19 270:1 272:16 274:6,12 275:1,3,15,24 276:1 277:15 278:10 279:9 280:1,6,7,22,23 281:1 282:9,18 284:5 291:19 292:8,18 293:5,17 293:20,24 294:4 305:11 312:9 324:3 325:1 330:15,20,21	331:5 332:8 333:17 <b>prescriptions</b> 36:3 39:16 68:4 74:14 81:23 82:16 88:13 89:24 94:1 110:19 110:23,23 111:4 111:17 112:10,13 113:3,6,16,20 114:8,12 130:13 144:6 145:24 146:22,24 147:20 149:11,13 150:9 150:15 155:11,14 155:20,21,23 156:6,14,19 157:4 157:12,19,23 162:15,17 191:24 192:12 193:5,22 196:5 202:2,6 203:11,16,16 204:14,15 212:7,8 214:16,17 215:16 217:12,17 220:19 221:8 223:2,4 247:13,17,20,23 248:3,6,7 249:1,4 249:13,14 260:6 260:14 261:10,12 262:2,10,11,14,17 262:18 263:11,12 264:14,20 265:9 265:13 266:1,4,7 266:10,12 267:15 268:17 269:1,5,6 272:17 274:13 276:10,14 294:13 305:23 324:7 <b>presence</b> 170:4 302:10 305:8	<b>present</b> 3:7 8:5 201:22 305:3 <b>presentable</b> 14:3 <b>presentation</b> 5:13 6:19 99:9 101:6 101:19 106:19 107:9 108:4,14 113:8 147:16 162:5 206:4,9 209:15 244:9 304:24 305:3 308:8 309:20,24 310:3,5,7,17,24 317:8 319:6 <b>presentations</b> 309:22 <b>presented</b> 112:15 266:7 316:2 <b>presenting</b> 109:5 316:18 <b>preserve</b> 186:8 <b>president</b> 91:15 124:5 128:18 <b>pressure</b> 197:23 <b>presumption</b> 283:11 <b>pretty</b> 72:13 94:5 139:6 160:11 <b>prevalence</b> 319:15 325:9,13 <b>prevent</b> 44:11 97:16 138:3 173:11,12 265:19 270:13 <b>prevented</b> 176:17 <b>prevention</b> 70:23 337:19 <b>preventionists</b> 300:17 <b>preventive</b> 65:18	<b>previous</b> 10:3,5 54:1 93:7,9 106:4 181:8 190:7 278:5 282:24 283:10 306:14 309:21 322:16 323:4,16 323:23 <b>previously</b> 16:14 40:21 196:16 205:18 <b>price</b> 124:4 <b>primarily</b> 45:9,18 68:5,20 71:23 94:15 254:2 278:7 <b>primary</b> 64:4,22 65:8,10 68:15,23 71:20,21 72:21 78:2 129:3 292:23 <b>principally</b> 63:24 <b>principle</b> 190:8 <b>principles</b> 190:8 190:11 <b>prior</b> 9:23 14:21 16:18 18:13 62:24 92:6 124:12 125:4 127:17 135:19 157:8 166:22 192:14 193:2,14 193:17 194:3 243:13 259:15 276:7 302:4 <b>prioritize</b> 197:6 212:20 <b>prison</b> 45:20 173:15 <b>prisons</b> 173:22 <b>private</b> 7:5 69:4 <b>privilege</b> 240:9 <b>privileged</b> 17:23 238:17,21
---	--	--	---

<b>proactive</b> 138:24 <b>probably</b> 36:15 113:23 209:15 224:17 298:2 <b>problem</b> 34:17 35:10,11 46:6 48:18 49:16 52:17 53:19 57:16,21 84:22 98:10,16,24 99:1 105:20 116:15,22 128:3 130:11,11 134:9 134:22 137:1 138:5 158:15 161:15 163:19,21 164:18 171:14 172:11 175:14,21 232:14 236:18,20 250:5 253:13,21 253:23,24 286:18 311:5 331:6 <b>problematic</b> 73:5 85:6 86:12 <b>problems</b> 45:17 97:15 127:4 134:18 135:15 138:9,22 277:6 278:18 330:15 <b>procedurally</b> 230:16 <b>procedure</b> 1:20 237:16 347:5 348:5 <b>procedures</b> 92:21 <b>proceeding</b> 8:9 <b>proceedings</b> 26:4 54:24 115:1 180:24 226:24 240:20 291:13 328:9	<b>process</b> 15:19 34:20 36:6,18 38:8,12,14,16,23 39:5,10,18,21,22 40:5,7,21 41:1 42:3,10 56:10 59:24 87:21 92:12 93:15,19,22 94:5 95:14 141:21 142:14 151:17 251:22 <b>processes</b> 140:22 <b>produce</b> 35:23 124:14 189:20 342:7 <b>produced</b> 20:2 97:22 101:2 164:14 257:15 298:17,18 304:4 316:10,17 <b>product</b> 76:14 164:5 <b>production</b> 105:3 346:15,17,22 <b>products</b> 220:12 257:16 258:8,9,13 <b>professional</b> 56:15 57:2 87:11 345:17 <b>professor</b> 65:9 79:20 80:5 120:17 120:20,24 121:10 121:13,17,21 <b>proficiency</b> 92:18 <b>profit</b> 164:5,9 <b>program</b> 40:19 42:15 56:2 65:13 69:8,9 89:1,6,11 122:4 124:17,17 138:16,17 173:6 250:7,7 251:13 329:17	<b>programs</b> 59:11 70:22 122:22,23 159:2 175:3 <b>progress</b> 207:1 <b>progressive</b> 140:23 156:9 <b>prominent</b> 128:9 <b>promise</b> 328:20 338:21 <b>promoted</b> 78:13 259:4 <b>prompted</b> 71:18 72:6 259:7,9,17 <b>prompting</b> 259:16 <b>promulgate</b> 268:16 <b>proper</b> 50:15 71:2 <b>properly</b> 69:18 70:24 71:5 291:22 291:23 <b>properties</b> 160:14 160:15 <b>proponent</b> 145:19 <b>proportion</b> 45:16 167:6 <b>proportional</b> 275:11 <b>proportionate</b> 274:16 <b>propose</b> 48:11 49:2,14,23 266:23 267:10,18 268:23 271:7 <b>propulsion</b> 94:22 <b>prosecutor</b> 293:15 293:23 294:10 <b>prosecutor's</b> 239:22 240:1 <b>prosecutors</b> 294:19	<b>prospective</b> 261:7 <b>prostitution</b> 153:22 <b>protection</b> 90:20 <b>protocol</b> 15:8 <b>provide</b> 13:9 15:18,20,22 21:8 27:17 30:5 31:1 31:15 34:15 36:1 36:23 37:8,10,11 38:6 44:15,19 51:21 59:21 130:1 141:6 143:16 148:22 159:3 176:15 184:10 194:9 200:7 202:21 216:19 217:5,6,9 218:16 222:14 237:11 268:7 276:6 285:13 286:2 310:3 323:8 326:7 <b>provided</b> 17:13 27:12 28:18,18 31:12 57:1 66:6 67:5 101:5 174:4 199:19 218:4 229:15,19,24 235:10 236:5 237:21 238:9 241:3 244:21 247:20 260:6 326:19 <b>provider</b> 82:1 <b>providers</b> 36:4 81:15,17 300:15 <b>provides</b> 245:6 <b>providing</b> 15:20 19:14 42:4 58:11 93:2 126:22 159:6 172:8 192:2
---	---	--	---

202:22 217:10 220:10 229:18 305:2 322:14 327:16 <b>prudent</b> 263:5 <b>psychological</b> 151:23 <b>public</b> 5:10,23 9:16 11:4 18:15 22:18,20 30:9 31:8,22 32:6,21 35:12,17 39:20 40:16 42:16 43:19 44:16 48:10,23 56:3,7 60:17 63:4 65:16,18 67:20 69:3 71:7,19,23 72:9 73:5 80:12 81:3,5 83:10 84:13 86:4,4 91:8 91:24 94:10 95:11 95:12,15,18,19 96:12 101:23 103:20 109:5 113:24 120:3 121:18,23,23 122:7 123:18 131:13 143:24 145:7 181:17 183:12,18 184:5 184:21 217:6 243:5 250:19,22 250:24 251:19,21 293:3 295:5 296:22,23 297:9 299:22 301:4 303:20 315:11 326:2 328:22 329:13,24 337:18 344:4 347:10,18 348:15,23 349:23	<b>publication</b> 298:1 325:24 <b>publish</b> 342:17,17 <b>published</b> 85:18 114:2 122:19 125:6 317:14 325:24 342:12,15 <b>pull</b> 182:7 205:20 <b>pulled</b> 149:14 156:4 223:5 <b>pulling</b> 286:13 <b>pulmonary</b> 63:1 <b>pump</b> 178:19 <b>punish</b> 153:16 <b>punishment</b> 153:19 <b>punitive</b> 149:2 222:19 <b>pure</b> 80:18 <b>purpose</b> 87:20 161:11 243:8,10 249:23,24 292:15 292:16,20,23 344:6 <b>purposes</b> 8:21 12:9 23:17 60:24 99:12 182:10,15 184:1 186:3 247:1 251:8 254:21 258:21 295:9 299:15 303:23 308:16 313:4 339:10 <b>pursuant</b> 1:20 15:8 63:18 224:8 275:2 280:7,22 <b>pursue</b> 71:18 <b>purview</b> 56:1 58:13 <b>push</b> 160:16	<b>pushed</b> 78:20 <b>pushing</b> 150:13,14 <b>put</b> 34:20 46:8 48:16 49:6 51:3 82:9 108:4,11 113:5 206:1 228:18 232:10 252:22 253:2 275:8 281:5 287:19 297:14 <b>putnam</b> 30:8 31:6 <b>putting</b> 131:17 <b>q</b> <b>qualifications</b> 92:23 <b>qualified</b> 344:5 <b>qualify</b> 17:5 280:24,24 291:19 <b>quality</b> 281:12 <b>quantify</b> 166:15 166:17 172:24 177:23 303:9 <b>quantities</b> 294:16 <b>quantity</b> 268:11 <b>quarantined</b> 270:11 <b>queries</b> 251:23 <b>question</b> 14:6,13 14:15 18:3,11 25:15 26:12 32:1 32:3,11 33:24 35:9 40:8 41:3,5 47:22 48:2,7 49:13 50:20 53:16 64:17 81:24 87:8 87:14 88:8 98:21 113:4 116:8 117:8 118:20 133:20 140:4 144:16 175:16 180:10 188:10 192:6	198:16 199:6,23 200:17 201:8 203:15 204:16 207:17,20 217:3 217:22 220:2,9,11 224:11 225:24 226:6,7,8 227:13 228:9 232:14,15 234:15 235:7,8,21 235:23 236:20,23 236:24 237:2,3,8 237:10,13 238:2 238:16 248:11 250:2 252:11 253:16 261:16,24 267:4,5,16,18,22 267:23 268:5,15 269:7 270:4,5 271:3,11 278:22 298:23 299:2 312:19 326:17 327:2,3,6,10 331:22 332:9,13 332:15 336:10 <b>questioning</b> 114:18 117:22 118:2,8 137:13 146:23 186:14,14 186:18 188:10 <b>questionnaires</b> 93:5,7 <b>questions</b> 9:18 13:20 14:3 16:6 32:9 33:2,5,10 35:2,6 37:1 49:6 51:11 93:11,20 94:1,4 98:18 99:19,21 115:9,14 116:6,14 148:1 176:20 181:16,22 185:17 221:6
---	--	---	---



328:14 336:3 338:18 343:4 <b>quick</b> 188:9 286:10 <b>quickly</b> 110:18 119:20 179:2 <b>quintilesims</b> 111:8 112:3 <b>quit</b> 290:11 <b>quite</b> 242:5 320:3 <b>quota</b> 35:21 189:17,18 190:3,5 190:9,24 191:10 273:6 <b>quotas</b> 105:4 109:17 137:20 190:21 <b>quote</b> 148:19 222:12 <b>quotes</b> 311:1 321:18	143:12,13,13 166:21 320:9 334:24 <b>rates</b> 111:20 130:23 143:10,11 143:16 144:11,18 145:5 167:19 208:3 285:17 <b>rationale</b> 77:16 <b>reach</b> 116:18 <b>reaching</b> 43:7 <b>reactive</b> 138:21 <b>read</b> 12:24 18:8,17 22:19 59:15 80:14 83:10 91:18 92:21 102:2 147:3 221:18,24 237:8 242:22 253:19 256:4,21 297:4 298:7 300:5 301:8 301:16 306:3 315:7,13 318:6,20 319:23 320:17 321:11 322:2,11 323:6,11,14,15,19 323:22 327:6 338:3 340:13 343:6,8,15 344:10 347:5,6,12 348:5,6 348:17 <b>readily</b> 47:11 278:20 <b>reading</b> 84:9 223:17 246:5,7 323:9 326:22 327:8 346:19 <b>reads</b> 296:15 <b>ready</b> 24:5 181:11 339:17,18 <b>real</b> 97:24 214:4 267:24 276:6	281:5 285:23 286:10 <b>reality</b> 277:13 <b>realized</b> 29:17 164:8 <b>really</b> 28:8 33:23 46:22 77:21 80:23 81:9,23 98:6,10,11 98:15 104:17 110:18 114:6 123:24 136:10 138:23 140:16 142:11 148:13 149:4,7 150:11 166:18 190:5,5 216:13 222:6,21 222:23 242:3,4 244:18 273:8 278:14 296:10 324:8 328:20 <b>realtime</b> 66:7 78:7 345:3,17 <b>reap</b> 333:18 <b>reason</b> 13:5,23 17:24 45:18 72:9 73:2 76:12 85:16 110:8 112:5 152:9 152:11 156:8 163:12 202:15,16 215:5 248:13 273:20 281:17 298:5 301:10,18 301:23,24 302:2 302:23 303:1 311:15 313:15,19 318:22 320:1,19 341:14 342:7 346:14 348:8 349:3 <b>reasonable</b> 52:7 90:11 108:16	142:22 181:17 194:2,16 195:2 263:4 <b>reasonably</b> 251:10 <b>reasons</b> 140:10,14 140:15 143:15 148:20 173:3 198:3 202:17 222:12 <b>reassert</b> 293:10 <b>rebecca</b> 317:18 <b>rebuild</b> 161:11,12 <b>recall</b> 10:11,13 11:2 17:8 19:24 38:11,13,15 39:20 52:2 54:13 55:9 55:14 57:11,13,18 58:20,21,23 59:1 59:17 66:14 73:8 75:2 76:24 77:3,9 77:10,14,14 78:8,9 78:12,17 80:2 84:2,4,21 86:16 92:12,16 93:23 94:3 95:4,9 128:7 167:16,17 189:9 225:4 285:6,8,12 299:3,6 319:3 329:5 332:4,5,6,10 332:18 335:12 336:1,7 337:24 <b>recalling</b> 225:1 <b>receipt</b> 346:18 <b>receive</b> 39:13 <b>received</b> 14:21 15:3,3 27:12 62:12 74:23 229:8 257:8 296:20 330:19 <b>receives</b> 87:22
<b>r</b>			
<b>r</b> 2:13,14 7:1 9:4 <b>rahul</b> 1:19 6:17,20 7:14 55:2 60:22 99:10 115:4 181:2 227:2,22 240:22 291:15 315:10 328:11 343:11 344:5 345:5 346:8 347:4,9 348:4,13 349:20 <b>raise</b> 82:1 133:21 135:23 <b>raised</b> 270:10 <b>range</b> 16:23 65:24 66:4 216:1 217:14 <b>ranked</b> 111:16 <b>ranks</b> 111:3 <b>rate</b> 45:6 110:18 111:3 131:5			

<b>receiving</b> 17:6 126:19 281:18 <b>receptor</b> 160:11 <b>receptors</b> 160:8,20 160:21 177:6 336:23 337:5,11 <b>recess</b> 54:23 114:24 180:23 226:23 240:19 291:12 328:8 <b>recognize</b> 10:20 84:23 99:15,18 108:6 163:4 266:18 313:11 <b>recognized</b> 72:12 74:13 137:16 <b>recollect</b> 9:22 17:5 21:3,5 27:15 36:15 54:13 114:5 145:2 246:15 297:20 303:11 310:1 <b>recollection</b> 10:1 19:16 20:3 38:1 90:23 297:8 315:15,17 <b>recommend</b> 212:3 <b>recommendation</b> 197:1 <b>recommendations</b> 78:19 125:17 188:22 215:8 271:15,15 <b>reconvene</b> 286:9 328:3 <b>record</b> 7:3,12 8:7 12:18 29:14 34:21 50:6 52:3 54:21 55:3 97:8 114:22 115:5 117:9,15 180:21 181:3,7,10	182:23 183:9 184:12 187:11,23 188:8 189:13 226:21 227:3,10 227:23 228:6,18 228:19,21 232:11 235:13,14 240:15 240:17,23 267:9 286:11 287:4,5,8 287:11,17,19 291:10,10,16 297:14,18 298:16 310:9 327:8 328:6 328:12 338:8 343:9 348:9 <b>recorded</b> 7:14 <b>recording</b> 7:10 123:9 <b>records</b> 22:20 <b>recovery</b> 316:23 317:12 <b>reduce</b> 47:9 52:14 266:23 267:10,19 268:10 269:6 <b>reduced</b> 215:17,19 344:10 <b>reduces</b> 268:16 <b>reducing</b> 163:20 <b>reduction</b> 125:20 138:13,16 142:3 162:9,10,10,12,14 162:15,17,20,22 162:23,24 197:18 197:19 225:6 268:18 <b>reductions</b> 162:4 <b>refer</b> 85:20 89:21 108:2 275:2,4 <b>reference</b> 64:13 224:17 346:7 347:2 348:2	<b>referenced</b> 111:9 347:11 348:15 <b>references</b> 93:3 285:13 <b>referred</b> 86:13 <b>referring</b> 76:9 89:22 142:2 171:15 183:5 184:14 210:17 218:6,11,24 219:14 221:11 223:22 224:4 242:15 251:14 257:20,21,23,24 258:14 <b>refers</b> 243:3 275:5 <b>reflect</b> 62:11 104:5 104:14 105:20,22 106:12 107:4 112:9 206:12 207:6 244:15 245:14 255:6 304:23 306:5 314:1,5,6,7 319:5 340:5 <b>reflected</b> 63:4 <b>reflects</b> 111:19 305:1 313:7 315:9 340:9 <b>refocus</b> 198:16 <b>reform</b> 6:10 45:14 45:14 254:15 255:18 <b>refrain</b> 50:10 321:17 <b>refresh</b> 19:15 295:23 297:8 315:15 <b>refreshed</b> 20:2 <b>refused</b> 265:13 266:1 276:13	<b>regain</b> 122:14 <b>regard</b> 14:18 32:24 <b>regarding</b> 11:1 54:10 227:11 228:7 242:1 296:19 314:8 326:11 <b>regards</b> 32:20 185:8 234:7 <b>registered</b> 1:21 39:12,22 87:10 112:14,16 249:9 252:12 345:17 <b>registering</b> 36:11 <b>registrant</b> 36:12 53:7 <b>registrants</b> 35:24 36:2,5,8 39:17 40:23 292:22,23 <b>registrar</b> 341:2 <b>registration</b> 36:6 36:14,16 37:4,6 38:12 40:7 53:8 93:21 <b>regular</b> 73:20 <b>regulate</b> 47:23 48:3 271:9 <b>regulated</b> 41:10 250:14 264:2 270:16,20,23 <b>regulates</b> 51:17 271:6 <b>regulating</b> 269:23 292:16 <b>regulation</b> 49:3 <b>regulations</b> 70:22 90:5 268:23 <b>regulatory</b> 58:1 <b>reinforcement</b> 152:16
---	---	---	---

<b>reininvestments</b> 45:15	<b>remains</b> 102:23	218:6,18,19,21	<b>represented</b> 21:21
<b>reiterating</b> 33:7	<b>remember</b> 10:20	219:21 220:6	29:11,13,17
<b>rel</b> 5:4 12:5	17:15 19:22 21:3	246:10,11,13,16	325:23 338:9,10
<b>relate</b> 69:12 75:13	71:9 75:10,16	247:11 274:12	<b>representing</b> 8:21
107:14 109:24	82:24 84:24	296:7 297:17,20	186:17 187:2
110:10 186:8	133:17 134:14	298:3 299:3 319:1	239:16 240:1
<b>related</b> 8:3 10:19	147:23 161:3,6	319:2 323:1,2,3,14	<b>republican</b> 173:24
10:22,23 11:7	188:14 290:5	329:3,4,9,18	<b>request</b> 6:3 15:17
22:6 95:8 113:12	319:3	342:23,24	19:12 268:7,12
117:14 122:23	<b>remotely</b> 1:21	<b>reported</b> 183:16	269:14 304:24
128:2 136:7 177:5	7:22 8:6 299:5	303:4 320:8	310:2 339:7 340:9
188:18 189:20	<b>render</b> 34:6,10	342:20	340:14 344:10
197:22 212:8	119:11	<b>reporter</b> 1:21 7:24	348:9,11
253:14,21 271:21	<b>rendered</b> 181:15	9:1 14:11 187:9	<b>requested</b> 15:18
271:22 290:22	181:16	227:11 228:7,17	54:2 184:9 310:2
318:11,11,17,17	<b>renew</b> 52:24 53:8	228:23 236:2	341:10
344:12	<b>renewal</b> 38:8,14	253:20 308:19	<b>requesting</b> 268:19
<b>relates</b> 80:23	53:4	309:1 340:9	<b>requests</b> 126:19
137:18	<b>renewing</b> 36:16	341:11 345:17,17	<b>require</b> 89:20
<b>relating</b> 34:13	<b>rep</b> 106:11	347:7	92:18 145:8 153:7
<b>relation</b> 255:12	<b>repeat</b> 20:15 22:2	<b>reporter's</b> 340:18	211:21
<b>relationship</b>	41:12 53:16 88:7	<b>reporters</b> 345:3	<b>required</b> 53:8
113:10 234:19	98:21 108:10	<b>reports</b> 18:15	88:23 89:5,23
239:1,3 272:11	126:21 158:8	22:20 34:12 58:2	90:8,12 144:12
312:14	192:6 196:18	58:4,9,11 83:9,12	333:21 346:24
<b>relative</b> 344:13	226:8 227:13	85:18 114:2	<b>requirement</b>
<b>relatively</b> 157:5,6	228:9 248:18	124:14 143:8	89:21,22
<b>release</b> 152:12,21	253:16 259:24	182:5 184:24	<b>requirements</b>
153:1,4 177:4	<b>rephrase</b> 14:6	185:1,4,9 204:3	40:22 92:17,24
333:9	18:2 47:22 48:8	219:9,9 257:8	202:3 344:15
<b>released</b> 126:7	102:19 116:8	341:15	345:6
152:15	236:24 262:15	<b>represent</b> 76:13	<b>requires</b> 53:4
<b>relevant</b> 43:3	267:24 274:10	100:24 117:1,2	270:8 334:14
<b>relied</b> 57:24	278:2	118:14,15,15,21	<b>research</b> 79:8
188:12 189:10,10	<b>replicated</b> 124:1	118:23 203:11	189:10 279:24
<b>relieve</b> 294:16	<b>report</b> 85:24 96:8	239:11 247:6	280:4,5 283:16,19
<b>rely</b> 57:23	96:12,12 112:3	289:19 298:16	283:22 284:1,3
<b>remainder</b> 225:19	125:6,7 144:22	304:3 316:9	286:1 317:19
<b>remained</b> 130:19	145:1 183:5,10,21	<b>representatives</b>	320:22
	184:13 204:6,17	73:22 76:12	<b>reserve</b> 181:6
	204:19 217:24		

<b>residence</b> 340:14 341:24 342:18,21 343:1 <b>residency</b> 39:24 40:3 62:15,19,24 64:2,11,21 65:13 69:9 93:1 <b>resident</b> 342:4,5,6 <b>residents</b> 68:8 69:8,23 110:4 207:7 271:20 340:7 <b>resides</b> 218:12 <b>resignation</b> 92:7 <b>resistance</b> 67:11 <b>resolve</b> 240:12 <b>resort</b> 141:3,4 211:22 <b>resorts</b> 170:15 <b>resources</b> 22:22 58:16 133:2 175:21 176:7 314:3 317:15 326:1 329:20 <b>respect</b> 30:6 41:6 41:24 49:15 66:12 67:8 77:12 78:10 268:22 270:17 271:12 289:9 297:10 305:15 <b>respective</b> 272:13 <b>respectives</b> 273:22 <b>respond</b> 17:12 28:3,24 33:1,5,17 35:2 37:23 52:23 87:14 341:10 <b>responded</b> 233:5 267:4,5 <b>response</b> 17:14 19:5 20:2,13 21:8 27:12,24 28:18	30:18 33:22 135:14 174:24 181:15 221:5 273:24 276:18 296:22 <b>responses</b> 13:1,4 28:4 <b>responsibility</b> 70:17,19 82:20 124:13 265:17,19 265:22 271:24 272:1 293:3 <b>responsible</b> 71:6 91:15 292:24 294:18 302:6 <b>responsibly</b> 44:10 46:3 <b>responsive</b> 135:15 <b>responsiveness</b> 19:4 <b>rest</b> 110:20 113:7 154:5,6 273:4 280:15 319:2 <b>restate</b> 113:4 261:24 269:8 285:5 <b>restaurants</b> 70:24 165:10 <b>result</b> 22:10 49:5 76:7 151:4,22 152:14 165:16 243:12 252:18,19 276:14 277:20 295:21 <b>resulted</b> 125:17 166:2 <b>resulting</b> 22:12 32:21 <b>results</b> 67:19 161:24 185:8 301:14 302:18	<b>resume</b> 6:17 60:22 61:8,9,16 62:6 64:19 71:10 79:14 79:16,19 91:5 122:17 <b>retail</b> 80:21 <b>retain</b> 119:21 <b>retained</b> 33:12,16 34:4,8,21 119:10 227:5,16 228:1,12 231:1,8,15,17,18 231:21 232:3,4,23 234:20 235:1,10 236:12,15 237:12 237:22 287:1 288:7,22 289:8 290:4,16 343:12 <b>retainer</b> 233:17 <b>retaining</b> 287:20 289:20 <b>retention</b> 288:17 288:20 289:11 290:9 <b>retrospective</b> 149:9 222:24 261:6,7 <b>returned</b> 346:18 <b>reverse</b> 178:6 <b>review</b> 13:8 15:8,9 15:20 18:5,19,23 19:3,13 20:7 62:1 75:17 123:16 147:3 203:22 204:6 207:13 218:19 247:4,5,11 249:18,19 261:6 296:11,14 314:9 314:10,11 318:24 346:12 347:1 348:1	<b>reviewed</b> 19:6,9 19:20 83:22 119:7 122:18 224:20 225:2 280:5 283:23,24 285:7 322:6 <b>reviewers</b> 297:22 <b>reviewing</b> 244:17 246:16 279:23 <b>revisions</b> 297:22 <b>revitalizing</b> 6:12 254:18 255:22 <b>reward</b> 152:20 333:7,12 336:18 336:19 <b>rewarded</b> 152:20 <b>rewards</b> 333:18 <b>rgupta000919-966</b> 6:21 99:11 <b>rice</b> 2:4 234:18 236:13 <b>richman</b> 5:14 308:9 <b>right</b> 9:11 10:13 13:2,10 19:2,24 20:19 21:13 30:2 38:23 39:9 46:16 61:19 68:14 71:16 71:17 76:3 104:12 112:17 116:11 117:20 118:14 119:8,20 123:12 130:9 136:22 140:7 141:7,15 142:7 143:18 147:23 149:24 151:13 154:7 156:15 158:3 161:14 170:2 175:11 177:17,21 179:19 180:16,20
--	---	--	---

181:14 186:23 188:13 189:1,15 189:23 193:12 194:21 197:10 206:20 207:10,23 216:9,19 219:20 221:3 223:16,19 225:1,4,15 226:3 233:1,9 243:1 244:6 246:15,15 250:17 254:3,9 255:13 266:6 274:4 277:21 281:19 282:14 284:3,19 292:15 295:15 299:18 304:17 306:22 310:21,23 313:8 313:11 317:16 325:15 328:1,4,24 330:1 331:10,17 331:20 332:22 334:4 337:22 338:6 343:8 <b>rigorous</b> 217:19 217:24 <b>ringing</b> 119:16 <b>rise</b> 145:14,14,17 264:19 265:5 318:16 324:24 325:2 <b>rising</b> 45:5 327:15 <b>risk</b> 94:15 95:1 149:21,23 221:13 223:13,15,20 224:10,14,14 225:15 226:3,3,11 320:15 325:13 <b>risking</b> 164:21 <b>rmr</b> 344:20	<b>road</b> 235:3 <b>robert</b> 3:4 148:13 222:6 224:1 <b>robust</b> 81:17 <b>role</b> 35:16 80:11 81:1 82:3 83:7 84:7,10,18 85:7 86:12,22 90:19 127:21,22 133:3 183:17 185:21 186:1,4,17 188:15 190:14 256:13 259:19 269:4 <b>roles</b> 9:18 130:9 133:3 134:7 185:18 <b>room</b> 8:5 64:5 74:3 129:17 285:22 <b>rooted</b> 192:18 <b>rotation</b> 74:4,4 <b>roth</b> 317:18 <b>roulette</b> 164:23 165:13 <b>rounds</b> 65:23 69:15 95:11 <b>routes</b> 258:5 <b>routine</b> 133:24 194:4 <b>rpr</b> 344:20 <b>ruby</b> 2:13,14 8:13 8:13 26:17,22 32:11 50:5,18 117:13,21 118:7 179:22 180:2,4,19 185:14 186:5,13 186:18 187:19 231:5 232:5,13,19 233:10,15 234:9 234:15 235:6,15 235:17,22,24	236:18 237:2,19 238:4,19 239:1,13 239:23 240:11,14 286:10 287:6,9,16 287:22 288:1,8,24 289:24 290:18 291:7 338:4,6,14 <b>ruby's</b> 187:15 <b>ruggedness</b> 196:3 <b>rule</b> 133:24 234:5 <b>rules</b> 1:20 94:6 138:2 230:23 236:14 237:16 272:10 347:5 348:5 <b>run</b> 117:6 <b>rural</b> 129:22 272:23 <b>russian</b> 164:22 165:13  <b>s</b>  <b>s</b> 1:21 7:1 192:13 344:4,20 346:15 348:8,8 349:3 <b>safe</b> 70:20 149:5 222:22 263:12 <b>safety</b> 132:4 <b>saith</b> 343:16 <b>sake</b> 235:5 <b>sales</b> 190:6,6 <b>samhsa</b> 280:10 <b>samples</b> 74:8 <b>samsha</b> 331:3 <b>sandbags</b> 46:8 <b>satisfied</b> 142:18 333:12 <b>satisfy</b> 19:4 177:18 <b>save</b> 64:7 <b>saw</b> 65:12,24 129:10 135:17,18 135:19 136:6	156:9 162:5,13 164:6 165:6,24 166:2 168:4 169:3 169:4,5 178:9 276:8 278:23 322:5 330:18 <b>saying</b> 187:14 192:20 196:7 198:2 199:11 214:1 220:4,5 237:13 266:11,15 269:24 283:10 315:21,22 <b>says</b> 33:24 79:19 100:8 104:10 111:12 204:21 210:19 245:19,19 248:19 277:8 286:21 298:20 301:3 302:10 303:3 312:7,12 314:22 318:8,10 321:12 340:14 341:21,22 <b>sc</b> 2:5 <b>scale</b> 78:24 <b>scales</b> 264:10 <b>scanned</b> 20:18 <b>scanning</b> 15:21 19:13 <b>scenario</b> 263:10 <b>schedule</b> 36:12 37:14 <b>scheduled</b> 36:8 <b>school</b> 65:10,14 66:7,8 76:4 79:20 80:9 90:17 93:1 95:11,15,18 120:8 121:5,10,14,18,23 122:3,7,8 133:19 137:6 171:18
--	---	---	---



[school - shirt]

Page 56

319:20 <b>school's</b> 95:17 <b>schools</b> 94:10,12 171:1 <b>science</b> 60:4,12 68:6 76:5 80:19 103:1 128:20 144:5 159:20 160:2 <b>scientific</b> 77:20 217:24 <b>scientifically</b> 217:19 <b>scientists</b> 332:3 <b>scope</b> 17:21 288:16,20,24 <b>seal</b> 347:15 348:21 <b>sealed</b> 14:21 15:3 <b>search</b> 19:10 21:7 162:21 <b>searched</b> 20:23 <b>searching</b> 20:13 20:21 <b>seat</b> 136:24 <b>second</b> 24:1,15 26:18 81:21 90:18 91:10 97:4,9 100:19 101:22 122:15 131:22 158:24 163:24 164:20 167:20,21 183:1,9 240:13 281:14 299:19,21 313:23 314:10 315:9,16,16 321:11 <b>secondary</b> 68:17 <b>seconds</b> 16:23 <b>secretary</b> 86:2 91:13,20 92:5 124:4 129:16	188:16 189:6 313:13 314:14 315:3 316:2 <b>security</b> 36:21 <b>see</b> 10:24 24:11,16 40:8 46:13 50:16 61:14,18 62:8,9 66:5 81:22 84:10 100:18,19,19 102:6 107:8,10 108:4 124:1 127:2 129:7 130:7 134:3 137:3 157:11 161:16,20 162:2 162:16,20 175:15 178:24 190:3 192:7 204:7 208:8 210:22 214:18 242:21 245:18,19 249:5 255:11 256:6,7 274:11,12 274:15,17,21 275:10 279:4 296:5,5 297:24 298:1 299:22 300:13 302:9 305:16,22 307:6,7 311:2 313:9,10 314:14,22,24 315:19 316:5,5,20 317:1,8,13,18 318:8,9 319:10 321:13,14 323:17 325:19 339:22 340:22 <b>seeing</b> 24:22 71:22 71:24 75:20 82:16 88:12 124:10 137:7 162:4,22,23 162:24 165:18 275:22 285:23	286:1 <b>seek</b> 15:19 47:7 72:7 126:10 153:11 154:21 163:9 166:6 <b>seeking</b> 161:10 <b>seen</b> 135:24 140:2 155:4,5 170:20 200:11 254:5 277:14 285:15 309:21 333:18 <b>seizures</b> 168:23 <b>select</b> 305:14 <b>selected</b> 306:15,18 306:20 <b>sell</b> 76:14 <b>semi</b> 177:10 <b>senate</b> 97:23 125:18,19,22,22 142:5 174:4 225:6 <b>senator</b> 174:23 <b>send</b> 132:9 <b>sends</b> 153:19 <b>senior</b> 128:18 <b>sense</b> 79:10 162:3 174:1 193:21 201:22,23 292:11 306:9 322:22 <b>sensitive</b> 7:5 135:2 135:21 <b>sent</b> 18:24 20:18 61:7 149:8 313:20 314:7 315:23 339:24 <b>sentence</b> 223:18 283:13 301:3 <b>sentinel</b> 81:15,17 82:1,4 <b>separate</b> 268:21 <b>september</b> 1:21 7:3 129:12,13,14	340:2,19 344:17 345:10 346:4 <b>serial</b> 61:21 100:22 <b>serious</b> 67:3 <b>seriously</b> 68:7 <b>serve</b> 91:13,20 241:7,11,15,18 335:18 <b>served</b> 123:12,16 127:13 128:5 130:10 133:3 207:7 <b>service</b> 91:22 <b>services</b> 59:8 315:13 <b>serving</b> 241:23 <b>set</b> 13:10 27:7 69:2 149:10 168:18 191:1 192:11 223:1 260:12 265:18 278:17 290:20 344:15 345:6 <b>setting</b> 24:23 172:10 190:21 258:17 293:18 299:3 <b>seven</b> 302:13 344:15,15 345:6,7 <b>sewage</b> 71:1,2 <b>sexual</b> 152:17 <b>shape</b> 154:22 <b>shared</b> 53:13 <b>sharing</b> 248:23 325:12 <b>sheet</b> 12:19 346:13 348:7,10,18 349:1 <b>shingles</b> 276:10 <b>shirt</b> 176:2,4
--	--	--	--

[shkolnik - sorry]

Page 57

<b>shkolnik</b> 3:8 229:3 229:4 230:21,22 232:15 236:11,19 237:7,15 238:15 238:22 242:15,16 242:18 <b>shopping</b> 150:13 248:24 <b>short</b> 16:13 99:20 141:17,18 172:22 176:13 328:19 <b>shorthand</b> 344:9 <b>shot</b> 175:4,4 253:9 <b>show</b> 23:20 75:18 110:18 297:16 307:11,16 <b>showcase</b> 124:6 <b>showed</b> 143:3 162:5 <b>shown</b> 346:16 <b>shows</b> 170:23 280:19 <b>shut</b> 46:21 <b>sick</b> 145:20 <b>side</b> 11:21 102:21 102:21 104:6,8,10 104:15 105:23 106:4,7,9,14 107:6 107:20,22,24 108:6,12 109:12 109:19 112:24 113:8 116:7 131:22 155:15 170:19 <b>sides</b> 142:11 <b>sign</b> 78:13,20 79:3 79:8 338:3 343:6 343:8 <b>signals</b> 333:10 <b>signatory</b> 91:16	<b>signature</b> 344:19 345:16 346:14 <b>signatures</b> 130:1 <b>signed</b> 12:19,21 125:24 189:6 347:13 348:18 <b>significance</b> 186:20 187:21 <b>significant</b> 45:16 58:23 108:18 126:4,6 147:16 150:21 162:24 259:21 260:3,5 <b>significantly</b> 147:24 282:2 318:18 <b>signing</b> 346:19 <b>signs</b> 79:5,9 <b>similar</b> 30:18 56:24 67:24 69:14 69:22 100:21 169:5 333:2 335:2 336:23 <b>similarity</b> 284:4,7 284:9 <b>similarly</b> 68:22 152:23 249:10 <b>simple</b> 67:14 103:2 275:12 <b>simplified</b> 105:15 <b>simplistic</b> 124:22 <b>simplistically</b> 245:24 <b>sincerely</b> 346:21 <b>singapore</b> 94:23 <b>single</b> 58:8 97:21 125:3 131:19 133:23 173:1 293:14 313:10 <b>singular</b> 86:5	<b>sins</b> 325:5 <b>sir</b> 11:24 35:20 229:22 346:10 <b>sit</b> 128:10 203:19 <b>sitting</b> 115:23 216:10 225:20 327:20 <b>situations</b> 140:24 <b>six</b> 16:17 210:20 281:8 338:7 <b>size</b> 199:14 <b>skeptical</b> 75:19 <b>skin</b> 67:14 <b>slide</b> 101:19 104:2 104:7,11,13 106:10 107:14 108:20,23 110:17 110:18 111:2,19 112:8 206:8 210:8 210:9,12,17 211:2 211:7 244:12,15 244:18 245:6,12 305:5,7,10 306:1 306:14,14 310:16 310:17,22,24 <b>slides</b> 100:16 106:10 107:21 108:12 109:7 112:23 209:24,24 305:2,3 <b>slight</b> 162:4,13 197:20,21 <b>slip</b> 195:8 <b>sliver</b> 162:1 <b>slowly</b> 264:19 <b>small</b> 52:21 166:5 167:1 276:23 <b>smoked</b> 330:15 331:6 <b>smoking</b> 320:8 333:6 334:16	335:4,10 <b>social</b> 5:20 36:21 124:8,19 125:21 126:2 135:10 138:12 172:19 178:10 214:3,3 242:24 303:18 329:4 331:13 <b>socially</b> 212:18 <b>society</b> 78:12,21 148:16 172:18 222:9 259:3 <b>sold</b> 74:23 76:2 191:24 283:11 <b>solution</b> 6:11 49:3 254:17 255:21 <b>solutions</b> 42:20 128:13 135:5 137:9 176:10,12 217:9 273:12 346:1 349:1 <b>solve</b> 34:17 35:10 55:17 96:19 97:15 98:6,10,16 163:19 <b>solved</b> 158:15,16 158:18 <b>somebody</b> 137:5 251:16 253:10 281:4 293:16 <b>somewhat</b> 188:18 278:12 <b>son</b> 110:7 277:9 <b>soon</b> 168:19 <b>sophisticated</b> 132:10 <b>sorry</b> 14:3 16:1 19:2 20:15 22:2 23:7 24:2,4 26:20 33:16 34:2 41:2 41:12 48:1 61:2 68:12 87:24 100:5
--	--	---	---

[sorry - state]

Page 58

106:15,16,18 111:14 115:16 141:9 158:8 162:10,13 185:14 193:7 195:4,7 196:18 205:11,24 210:8,15 217:13 218:22 220:3 225:23 226:5 228:23 235:16 241:19 242:18,20 244:6 245:11 248:16 249:13 255:3 265:7 267:14,17 279:23 283:8 285:5 286:6 292:6 295:15 297:6 301:22 303:8 304:4,11 307:20 308:3 310:17 317:4 325:11 339:2 <b>sort</b> 55:19,22 56:2 57:22 77:19 79:2 93:1 100:21 118:17 123:10 131:9 133:6 143:22 190:7 <b>sound</b> 99:22 <b>sounds</b> 99:23 339:15 <b>source</b> 43:14,15 111:8 331:18 <b>sources</b> 57:22 58:1 58:1,1,19 322:19 <b>southern</b> 1:1 7:18 135:20 <b>span</b> 147:5 <b>speak</b> 14:10 16:3 16:10 69:17 90:4 108:22 122:5	133:18 220:7 <b>speaking</b> 32:14 34:23 42:8 50:7 50:10,14 110:3,5 110:14 131:14 133:20 152:1 171:1 177:8,13 203:3 219:6 <b>special</b> 62:22 63:3 <b>specialization</b> 63:6 <b>specialized</b> 63:12 70:2,5 <b>specific</b> 10:1 33:13 35:5 36:23 37:8 41:3 54:9,12,14 55:9 84:5 86:17 93:20 152:1 166:17 185:20 199:9 202:9,14,17 203:9 239:15 259:17 330:12 <b>specifically</b> 18:17 19:7 32:1 41:6 54:2 66:15 95:9 95:20 98:19 110:23 111:20 128:7 236:20 283:22 284:3 321:16 <b>specifics</b> 36:20 81:7 <b>specified</b> 344:6 <b>specify</b> 61:6 <b>speech</b> 32:12 <b>spell</b> 279:19 <b>spend</b> 105:16 108:13 176:16 <b>spending</b> 286:12 <b>sphere</b> 202:19 <b>spoke</b> 16:2,4 242:2	<b>spoken</b> 15:15 <b>spouse</b> 10:23 <b>sprain</b> 260:23 <b>spring</b> 315:4 316:3 <b>st</b> 62:16 <b>stable</b> 157:5,6 <b>staff</b> 52:21 300:21 300:23 301:2 304:23 305:1 309:23 310:6 <b>stamp</b> 61:20 79:16 101:20 104:3,13 255:7,14 256:2 296:15 314:21 317:5,16 321:9 <b>stamped</b> 64:18 206:9 313:24 318:4 <b>stand</b> 324:1 <b>standard</b> 79:3,11 148:2,11,15 149:12 157:8,9 193:15 196:14,20 197:4,5,15 222:4,8 223:3 258:24 259:1,10 261:14 261:19 262:12 263:9 271:21 300:10 343:2 <b>standards</b> 77:18 77:21 78:6,10 144:7 148:10 155:16 188:19 193:3 222:3 260:19 263:23 271:13 272:5,6 <b>standing</b> 93:8 117:3,12 321:24 324:16 326:14 <b>standpoint</b> 80:20 130:5 163:14	<b>stands</b> 119:14 168:13 <b>start</b> 14:4,12,22 61:20 82:15 94:13 95:24 116:17,24 138:12 153:7 156:11 157:10 161:4 162:20 204:3 263:16 264:18 293:11 308:23 <b>started</b> 40:9 126:19,22 129:20 135:8 136:9 150:1 162:15,21 163:11 163:24 165:9,15 178:1 250:4 251:2 258:24 <b>starting</b> 47:10 79:21 81:22 91:3 161:20 162:2 264:23 305:21 <b>starts</b> 88:12 264:19 275:9,10 <b>state</b> 5:3 6:19 8:6 8:9 9:14 12:5 22:8 26:10,18 30:10,13 31:7,19,23 32:6 35:16 38:7 40:14 43:17 44:3 45:7,9 48:3,9 49:8,22 50:1 51:18 56:4,8 58:1,5,9 63:22 70:14 71:14 86:3 86:4,9 87:10 91:7 91:12,23 92:2,4,20 93:13,17 95:19,21 97:18,21 99:9 101:7 102:12 107:12 112:14,16 113:12 122:8
--	--	--	---



[state - subpoenaed]

Page 59

125:12 127:14,17 127:22 128:12 130:14 136:1,10 138:17 139:24 158:22 167:20,21 168:2 174:20 176:8 183:12 184:5 188:23 192:22 194:23 195:9 198:11 199:21 205:12 206:3,17 216:20 216:24 217:1,1 230:4,5,17 231:22 231:24 243:18 244:10 248:9 249:6 260:16 266:17 270:24 272:23 274:15 292:16 300:9 315:10 331:7 341:1 344:1,4 345:1 347:10 348:15 <b>state's</b> 22:18 30:8 <b>stated</b> 85:19 148:9 175:22 222:2 245:8 250:3 311:9 314:5 333:15 342:11 <b>statement</b> 54:1 186:13 208:21 244:21 251:10 256:23 257:2 301:11,19 302:22 302:24 303:3 311:7,8 319:1 326:4,6 327:14 347:13,14 348:19 348:19	<b>statements</b> 285:14 298:13 318:23 323:21 326:9,11 327:8 <b>states</b> 1:1 7:18 24:12 39:2 50:3 91:13 92:18,23 93:4 126:19,23 137:15 168:1 208:15,16 248:23 261:3 262:22 273:16 301:15 320:24 321:19 324:19 332:3 <b>stating</b> 271:13 <b>stations</b> 165:11 <b>statistic</b> 111:6 146:15 <b>statistically</b> 192:24 <b>statistics</b> 142:24 143:3,22 146:21 179:6 311:17 318:13,14 319:5 320:2,4,5,20 322:5 342:12 <b>status</b> 208:18 215:4 <b>statute</b> 91:24 94:5 <b>statutory</b> 56:3 <b>stay</b> 235:18 <b>staying</b> 90:15 <b>stays</b> 133:12 <b>steal</b> 150:17 <b>stealing</b> 150:16 153:21 280:16 <b>step</b> 240:7 <b>steps</b> 46:6 275:7 <b>steve</b> 8:13 32:16 50:14 51:6 117:13 180:10 185:13	187:3 231:11 238:2 240:5 287:14 289:15 <b>steven</b> 2:13 <b>stick</b> 84:15 <b>sticker</b> 264:11 <b>stigma</b> 277:16 <b>stigmatizing</b> 212:2 <b>stimulant</b> 318:15 <b>stimulants</b> 105:12 257:22 279:1,5 <b>stimulates</b> 160:12 333:9 334:23,24 <b>stimulus</b> 152:5 <b>stipulate</b> 286:16 287:17 <b>stipulation</b> 287:13 287:14 <b>stood</b> 79:6 <b>stop</b> 54:4 98:1 223:17 <b>store</b> 294:15 <b>stored</b> 21:2 <b>stories</b> 133:16 134:5 <b>street</b> 2:7,12,15,20 37:18 47:8,10,12 132:17 133:14 155:6 163:7,10 164:17 166:12 177:1 178:21 278:16 279:5 305:23 <b>streets</b> 43:5 <b>strength</b> 157:14 334:14 <b>strengthen</b> 256:13 <b>strike</b> 21:10 41:22 47:21 53:2 82:8 87:24 198:18 205:17 217:15	226:15 266:20 270:15 <b>strong</b> 128:23 312:16 <b>strongly</b> 321:17 <b>structures</b> 124:16 <b>struggling</b> 42:19 44:2 176:7 <b>students</b> 68:9,9,10 69:7,17,22 82:12 82:21 96:23 <b>studied</b> 205:2 211:4 <b>studies</b> 75:18 332:2,8 <b>study</b> 127:6 202:11 206:13 225:3 243:8 249:15,16,23,24 284:19 285:8 296:8 329:11 330:7 <b>stuff</b> 165:2 <b>subgroups</b> 319:17 <b>subject</b> 30:19,21 31:14 32:23 78:24 286:17 287:22 288:5 332:19 <b>subjective</b> 79:7 <b>submit</b> 246:14 <b>submitted</b> 184:8 188:14 189:2 204:18 295:20 317:18 <b>subpoena</b> 15:19 19:5 20:2,14,17 28:23 229:20 233:1,1,3,5,7,11 288:12,21 <b>subpoenaed</b> 28:22
--	--	--	---

<b>subpoenas</b> 288:13 <b>subscribed</b> 347:10 348:14 349:21 <b>subsequent</b> 78:23 126:18 <b>subsequently</b> 59:12 125:17 135:18 251:1 <b>subspecialty</b> 63:9 <b>substance</b> 5:16 20:11 45:17 48:14 49:24 51:24 85:4 89:11 127:9 151:20 161:23 164:10,17 278:9 308:12 309:17 311:5 319:13 320:12 321:22 331:18 333:3 334:15,22 <b>substances</b> 36:9 36:13 37:14,23 38:3,4,18 39:1,13 40:10,19 42:14 48:4 50:9,22 51:1 94:2 127:10 132:15 162:24 166:7 168:16 189:21,22 191:1 213:21 218:14 244:4,23 245:1,2,5 247:14 250:6 251:13 254:6 256:18 257:22 270:8,18 307:22 330:8 333:5,14 334:20,21 <b>subtitle</b> 317:11 <b>subtract</b> 245:20 <b>successful</b> 69:10	<b>successfully</b> 142:10 <b>sudafed</b> 258:15 <b>sued</b> 263:13 264:1 <b>suffer</b> 138:23 <b>suffered</b> 160:21 166:20 <b>suffering</b> 22:7 43:5 130:5 133:17 162:9 178:13,18 277:16 279:17 <b>sufferings</b> 43:11 <b>sufficient</b> 126:12 294:15 <b>sufficiently</b> 198:14 <b>suggest</b> 32:8 99:17 116:5 198:3 199:1 <b>suggestions</b> 48:17 <b>suggests</b> 326:19 <b>suit</b> 59:2,19 <b>suite</b> 346:2 <b>summary</b> 192:3 <b>sun</b> 49:8 108:7 <b>superior</b> 346:1 <b>supervision</b> 125:12 <b>supp</b> 160:16 <b>supplied</b> 306:19 <b>supplies</b> 268:8,19 <b>supply</b> 40:23 47:9 86:8 101:24 102:4 103:12 104:6,7,10 104:15 105:2,23 106:4,7,9,13 107:5 107:13,20 108:6 108:12 109:12,19 112:24 113:8 141:14 153:12 155:15 163:13 256:14 266:9 292:17	<b>support</b> 93:6 142:10 159:12 256:13 <b>supported</b> 78:15 <b>supporter</b> 102:21 <b>supportive</b> 159:7 <b>suppose</b> 251:14 338:10 <b>supposed</b> 170:2 212:7 <b>suppressants</b> 278:24 336:16 <b>sure</b> 11:17 12:19 13:3 18:11 19:1 20:16 22:3 26:2,7 26:23 28:14 29:4 34:1 41:3,13 48:6 48:8 52:12 53:8 53:17 54:20 64:17 67:2,13 68:8 70:21,23 71:1,4 81:13 82:19 84:2 84:8,14 87:6 88:9 90:7 105:19 108:11 115:16 117:14 142:17 158:9 175:1 182:5 182:23 185:18 187:22 188:21 189:1 190:13 192:7 195:1 196:19,20 203:3 204:19 207:20 210:3,16 211:17 212:24 218:23 221:2,24 226:6,9 230:14 231:12 232:22 236:2 237:20 238:5 240:11 241:17 246:17 247:12	248:13 251:4 257:11 262:1 264:1,6 269:11,12 271:17,19 272:5 273:16 276:23 281:17 285:6 286:14 288:6 290:23 292:12 293:8 294:13 296:13 299:19 313:19 314:16 322:21 325:22 331:16 332:4 333:2 <b>surprised</b> 175:7 <b>surrogate</b> 113:17 113:21 <b>surrounded</b> 69:4 <b>surveillance</b> 251:21 <b>survey</b> 280:9 <b>surveyed</b> 280:10 325:13 <b>surveys</b> 325:20 <b>survival</b> 152:19 <b>survive</b> 44:4 126:14 152:6 <b>surviving</b> 153:14 <b>suspect</b> 302:19 <b>suspicious</b> 270:10 272:9,9 <b>sustainable</b> 6:11 254:16 255:21 <b>sustained</b> 172:19 <b>swear</b> 9:1 <b>switch</b> 60:1 <b>sworn</b> 9:2,6 344:7 347:10,13 348:14 348:18 349:21 <b>symptom</b> 79:7
--	--	---	---

<b>symptoms</b> 153:15 168:18,21 171:24 <b>syndrome</b> 97:18 136:20 168:14,15 168:18 170:17 <b>synthetic</b> 177:9,10 256:9 274:23 <b>syringes</b> 276:22 <b>system</b> 26:5 35:14 35:18 40:9,11 41:7,14,24 48:21 81:17 152:20,24 156:10 171:18 172:7 265:18 272:12 296:21 318:14 336:18,19 337:10 <b>systems</b> 72:7,8 138:2 179:12	286:8 308:20 310:12 313:22 316:19 320:23 323:1 324:6,9,22 328:2 329:8 333:8 <b>taken</b> 1:19 7:14 54:23 94:21 114:24 144:8 180:23 187:18 226:23 235:18 237:6 240:19 274:15 280:6 291:12 328:8 344:6,9,13 <b>takes</b> 93:16 293:24 <b>talk</b> 20:10 30:11 49:11 60:2 73:16 74:11 77:17 80:10 81:5 82:3 96:14 96:15,17,18,20 97:14,14,15,24 98:14 102:12,15 102:18 104:20 105:1,2,3,4,4,5,6,6 105:8,11 106:5 107:19,19 108:3,7 140:7 147:17 151:13 158:4,9 176:18 180:17 204:24 212:23 235:4 240:7 287:8 288:7,21 290:6 291:3 298:8 <b>talked</b> 86:20 88:10 106:7 175:12,13 189:16 191:23 192:9 221:1 242:3 276:16 286:22,23 290:7,14,15 291:18 324:19 329:2 332:17	342:16 <b>talking</b> 28:9,12 40:9 46:4 58:6 105:16 129:21 133:11 166:18 172:12 197:6 212:24 213:8,19 213:20 226:1 231:23 240:8 290:11 <b>talks</b> 141:23 242:12 297:21 <b>tap</b> 178:19 275:10 <b>task</b> 49:6 125:8,16 <b>tatterson</b> 315:18 <b>taught</b> 65:16 66:15,22 67:7 68:10,13 76:4 80:2,4 81:21 <b>taxpayer</b> 329:19 <b>taylor</b> 5:13 308:7 <b>tea</b> 226:17 <b>teach</b> 65:15 66:12 70:2,4 79:21 80:5 80:11 94:12,15 95:11 98:5 171:15 <b>teachers</b> 133:19 171:2,8,15 <b>teaches</b> 94:24 <b>teaching</b> 65:13 66:16 68:18 69:6 69:14,17 71:8,13 72:15 94:9 95:4,7 120:11 121:4 <b>team</b> 176:6 243:4 <b>tear</b> 218:2 <b>technological</b> 15:21 <b>technology</b> 63:8 <b>teens</b> 148:8 221:9	<b>teeth</b> 286:13 <b>television</b> 122:22 161:5 <b>tell</b> 28:4 40:1 76:20 82:12 89:18 92:14 101:19 107:23 116:9 129:12 131:4 134:5 135:21 146:22 154:8 171:3,8 174:21 175:23 177:6 191:3 216:9,10 219:8,13 231:13 248:3 251:6 282:15 284:2,18 287:20 289:3 294:9,12,15 316:14 325:20 <b>telling</b> 73:22 77:15 154:21 269:22 <b>tells</b> 152:15 154:11 157:17 333:10 <b>temporary</b> 126:22 <b>ten</b> 54:18 78:24 107:11 159:23 171:5 194:12 226:18 286:8 308:22 338:7 <b>tend</b> 94:5 167:3,4 <b>tended</b> 95:21 <b>tendered</b> 92:6 <b>tends</b> 194:8 258:1 <b>tennessee</b> 70:6 129:4 <b>tenth</b> 2:20 <b>tenuous</b> 93:18 <b>tenure</b> 33:8 89:19 92:3 97:6 124:12 143:9 199:21
<b>t</b> 2:6 9:4			
<b>tab</b> 285:21 <b>table</b> 273:14 <b>take</b> 7:11 20:5 34:17 47:16,23 51:9,11 54:18 68:6,7 76:18 96:11 99:17,20 108:18 109:1,6 114:15,17 118:1 152:2 156:17 166:16 176:23,24 179:20 180:8,17 192:14,24 193:17 193:20 194:13,15 214:22 215:1 216:5,11 226:18 240:6 247:3 273:22 276:15,22 276:22 277:1,2 278:24 282:18			

[teresa - third]

Page 62

<b>teresa</b> 1:20 7:24 235:24 344:4,20 345:3 <b>term</b> 33:13 40:13 41:14 106:12 124:8,9 137:12 141:17,17,18 143:18 155:12 172:17,22 174:10 281:7,18 282:7 324:15 337:18 <b>terminal</b> 281:8 <b>terms</b> 20:21 36:2 44:23 59:10 82:11 116:4 129:3 146:23 147:6 158:3,9 160:4 166:12,15 167:11 168:10 176:21 177:21,23 178:21 179:7 196:16 197:10 208:9 214:2 220:13 281:5 341:23 <b>terrible</b> 49:9 187:10 <b>testified</b> 9:6,19 10:3 11:22 13:12 18:22 20:16 48:20 77:2 106:18 120:5 182:4,17 184:6 192:4 235:9 249:24 250:4 252:4 258:23 259:21 260:2,5 274:5,8 284:4,11 284:14 322:22,23 <b>testify</b> 13:24 28:1 28:19,22 29:7,8,20 30:3,14,15,16 31:10 32:13 33:9	37:17 50:23 185:7 250:13 <b>testifying</b> 11:10,18 25:16 27:6 28:15 229:21 230:19 232:1 <b>testimony</b> 6:9 11:2 11:19 12:13,22 13:6 24:18,21 30:21 32:24 50:9 181:7 184:15 185:6 187:4,5,15 221:2 229:14,24 234:1,3 236:4 238:8 241:2 251:15 252:7 254:14 255:17,20 256:1,24 257:20 264:13 265:6,8,11 266:6,8 275:23 305:20 321:2,5,8 322:4,21 323:12 323:20 326:14,24 343:10 347:6,7 348:6,9,12 <b>thank</b> 15:24 23:21 24:7 26:15 27:22 29:24 32:16,23 33:21 35:8,13 40:8 54:20 64:15 86:18,20 112:22 114:20,21 117:10 182:21 185:11,12 188:1 189:15 190:24 204:23 208:24 209:17 216:13 258:23 266:21 286:9 309:5 316:20 321:7 328:15 329:23 331:4,16	338:1,5 343:4,5 <b>thanks</b> 24:2 180:20 <b>theoretical</b> 277:13 <b>theory</b> 322:13 <b>thing</b> 55:22 76:3 77:23 107:23 169:11 174:22 202:19,22 212:15 273:5 329:15 332:11 <b>things</b> 18:23 37:19 42:7,22 45:12 47:3 62:7 71:3 76:16 83:2 96:18 97:14 100:7 107:11 108:24 109:13,23 110:1 122:14 126:16 133:1 135:5,15 137:18 138:8 142:13 145:24 152:18 153:10 154:15 162:9 173:7,10,22 175:10 182:3 194:24 213:4 220:24 242:10 276:5 285:18 293:4 328:21 333:6 336:18,22 336:24 <b>think</b> 17:21 18:22 32:2 33:2 34:23 35:3 42:2 43:22 51:11 52:3,16 54:17 55:15 59:21 61:17 84:10 86:20 89:17 98:22 99:18 106:11 107:7 111:11 114:14	119:5 144:3,5 147:2 148:13 157:21,22 158:24 161:19,19 162:2 163:20 168:8 169:11 174:1 175:15 178:3 179:9 185:17 186:6,19 187:21 191:22 195:4 196:18 198:5 202:10 203:18 207:2 208:22 210:1 212:1,12 216:19 217:23 219:6,7 220:3,6 222:6 231:22 232:19 234:23 235:6,7,17 236:7 238:17 239:2,8 242:2,11 245:6 246:17 256:24 259:13 262:20,23 263:16 264:20 265:4 282:2 283:1 286:21 287:13,15 289:4,7 292:20 293:2,10 297:15 307:10 319:24 322:8,11 324:13 327:21,24 328:1 331:11 337:4 338:15,17 342:15 343:3 <b>thinking</b> 59:4 261:18 <b>third</b> 74:3,4 104:1 132:5 149:3 164:2 207:14,21,21 209:1 222:20 239:20 263:6
--	---	--	---

[third - total]

Page 63

280:12 318:6 <b>thirsty</b> 152:13 <b>thirty</b> 346:18 <b>thompson</b> 340:22 340:24 341:1,13 <b>thompson's</b> 341:4 341:9 <b>thoroughly</b> 185:2 <b>thought</b> 26:22 189:2 213:8 215:13 286:7 323:14 <b>thousand</b> 124:21 148:8 221:9 <b>thousands</b> 167:8 324:24 <b>three</b> 9:23,24 42:7 107:7,11,18 123:4 126:9 132:15 149:17,21 159:14 160:5 171:17 210:10,16,23 213:3 221:12 223:9,13,19 224:9 224:15 225:10,18 248:15 260:23 262:1 276:22 283:13 296:10 <b>throw</b> 201:18 <b>thursday</b> 313:20 <b>timber</b> 195:21 <b>time</b> 8:9 9:22 10:3 10:7 12:23 13:9 14:11 17:7 18:18 19:20 24:22 27:10 28:5,6 40:7,20 42:5 43:2,23 44:8 45:3 46:20 47:13 47:16 50:6 52:2 52:11 53:5 54:13 54:22 55:3,9 56:6	57:12,19 58:20,24 59:5,23 64:7 66:15 70:6 71:8 71:24 72:11 73:3 73:18,18 74:2,6,13 75:12 77:8,23 78:1,14,17 79:5,24 80:3 83:21,24 84:15,19 85:1,18 89:14 95:1 102:6 102:16,17,17 103:22 108:23 110:16 114:5,8,23 115:5 118:2,15 123:8 125:13 126:11,24 129:19 130:8,14,18 140:9 143:8 144:9,15 145:5 146:4,10,14 148:16 149:8,15 151:9,12 156:8,12 162:1 163:3,5 164:20,24 166:1,8 168:5 170:5 173:9 174:5 175:23 176:14 179:10,23 180:12,22 181:3 187:10 194:3 197:17,19 209:15 220:13 222:9,24 223:6 224:24 226:22 227:3,23 240:18,23 242:4,5 242:9 243:13 245:9,16 247:3 251:2,20 252:24 253:7 257:2 262:19 264:16,17 265:1,1 268:13 269:3 274:21 276:11 284:1	288:17 289:13 291:10,16 296:6 301:12,20 303:2 303:11 305:21 306:17 308:18,19 308:24 309:1,4 310:1,15 311:13 311:19 320:21,24 323:1 328:7,12 329:14 333:24 334:2,5,8 341:1 344:6 <b>timeline</b> 139:20 202:14 <b>times</b> 9:21,24,24 10:4,6 16:2,5,14 84:21 97:12 138:20 154:3 164:15 171:18,21 242:21 248:16,17 248:20 311:21 312:1,5,9 320:14 <b>timing</b> 232:23 <b>tiny</b> 167:6 <b>title</b> 108:20 111:11 204:21 306:19 <b>titled</b> 101:6 184:15 255:21 299:21 300:11 302:6 309:16 310:24 317:8 <b>tobacco</b> 159:11 332:15 334:16,20 334:21 335:4,10 <b>tobacco's</b> 334:18 <b>toby</b> 341:4 <b>today</b> 13:20,24 15:4,8 19:8 21:22 23:10 25:11 27:22 29:9 31:21 73:17 117:16,22 129:12	138:17 167:10 173:3 181:16 182:4,17 183:6 184:15 185:6,23 186:1,17,20 199:10 214:17 220:23 229:14,20 229:22,23 235:9 236:4 238:8 241:2 251:15 260:2 284:11 291:18 302:24 303:1 322:4 324:19 328:14 331:3 <b>today's</b> 25:10 187:16 227:15 228:11 343:10 <b>toes</b> 327:20 <b>told</b> 13:22 14:9 263:11 289:4,7 <b>tolerance</b> 334:11 334:12 <b>toleranced</b> 302:13 <b>tom</b> 124:4 <b>tomblin</b> 145:19 161:22 <b>tools</b> 98:7,7 <b>tooth</b> 149:14 156:4 223:5 <b>top</b> 24:11 61:24 62:1 69:21 108:20 111:12 193:11 282:14 313:9 339:20 <b>topic</b> 99:16 102:13 179:20 <b>total</b> 113:9,14,15 147:17,18 156:19 156:21 166:16 169:4 177:24 244:24 309:4
---	---	---	--



[total - type]

Page 64

310:10,15 314:7 343:11 <b>totaled</b> 303:5 <b>touch</b> 165:4 <b>tough</b> 174:2,2 <b>tower</b> 2:15 <b>town</b> 71:21 73:19 129:22 132:3 133:9,10 <b>towns</b> 113:19 138:6 <b>toxicology</b> 301:14 302:17 <b>track</b> 14:11 <b>traditional</b> 72:1 <b>trailers</b> 131:3,8,17 <b>trained</b> 44:9 62:24 <b>training</b> 62:16 63:3,9,10,12 74:22 116:13 139:3 158:5 165:21 203:1 217:8 315:4 316:3 <b>trainings</b> 62:22 63:15 <b>transcribed</b> 347:7 <b>transcript</b> 5:3 12:4,12 344:10,14 345:5 346:11,12 347:5,12 348:5,11 348:17 <b>transcripts</b> 20:7 <b>transgenerational</b> 45:24 <b>transition</b> 47:11 105:7,9 176:19 179:7,19 275:24 276:3,4,4 277:22 278:1,3,19,23 305:22	<b>transitioned</b> 105:11 177:22 277:15 324:2 <b>translate</b> 197:13 <b>transmitted</b> 97:11 <b>trauma</b> 66:2 <b>treat</b> 73:24 170:11 170:13 198:14 <b>treated</b> 67:2 <b>treating</b> 196:17,21 <b>treatment</b> 47:4 65:19,23,23 69:12 70:3 78:10 86:23 98:3 139:14 151:7 159:18 160:3,24 175:3 215:10 259:1,10 277:7 314:8 316:22 317:9 <b>trend</b> 31:15 211:20 220:14 245:10,14 275:22 279:14,15 302:20 305:10,13 306:19 307:1,3 <b>trending</b> 136:23 <b>trends</b> 194:9 200:5 201:6 307:5 <b>trial</b> 10:4,8,10 24:14 25:1,17 27:7 28:2,20,22 29:7,9,21 30:3 32:2,2 185:8 230:9,10,19 232:1 276:23 <b>tried</b> 46:14 126:10 172:23,24 173:7 <b>trigger</b> 333:21 334:3 <b>trips</b> 76:17	<b>true</b> 13:5 87:17 120:9,22 121:2,11 122:10,23 128:15 135:13,16 137:10 141:22 166:7 167:15 212:14 234:13 283:15 333:5,6 <b>truly</b> 154:4 <b>trust</b> 276:19,20 <b>trusted</b> 137:9 <b>truth</b> 288:23 326:10 <b>try</b> 47:7,16 64:7 90:6 100:6 168:15 180:11 241:22 307:14 323:18 328:19 <b>trying</b> 42:19 44:2 44:11,18 45:13 46:8 74:21,24 84:20 88:8,9,17 98:1,2 100:6 135:4 138:9,21 157:21 160:4 167:16 203:17 208:19 210:1 213:15 219:8 220:8 232:20 263:14,19 277:21 286:7 290:3 316:14 322:21 324:10 325:8,8 326:7 327:5,24 330:4 339:15 <b>tsunami</b> 136:21 <b>tuberculosis</b> 63:2 63:10 <b>tune</b> 114:3 <b>tunnel</b> 162:3	<b>turn</b> 7:7 24:15 54:8 61:18 62:2 99:7 101:18 104:2 178:19 206:8 244:7,12 254:12 256:1 275:10 295:2,16 299:9 303:13 305:5 308:1 310:16 312:21 313:23 317:3 318:2 319:8 321:1,7 339:1 <b>turned</b> 79:7 276:12,12 <b>turning</b> 90:15 91:5 91:10 161:14 <b>twelfth</b> 2:12 <b>twelve</b> 25:21 27:11 93:16 <b>twenty</b> 344:15 345:6 <b>twisted</b> 214:8 <b>two</b> 9:24,24 10:6 10:21 27:5 36:17 42:7 61:20 63:2 81:12 82:11 93:16 118:14 125:18,22 129:16 141:2 148:8 149:17 157:18 158:16 177:1 179:21 180:17 205:6 209:24 221:9 223:9 225:18 245:1,5,20 255:12 257:1 279:13 280:9 283:12 <b>type</b> 46:9 66:3 76:18,19 124:23 126:6 132:20 153:4 175:9
--	---	--	---

[type - users]

Page 65

325:17 335:2 <b>types</b> 103:8 107:2 337:11 <b>typewriting</b> 344:10 <b>typically</b> 66:5 69:9 153:15 <b>typos</b> 316:12,14	161:6 190:12 196:19,19 199:7 200:20 202:7 203:4 210:3 213:15 225:24 231:19 232:5 237:20 239:21 243:10,14 267:15 267:23 268:21 269:7 272:23,24 277:21 290:1,1,3 296:11 325:8 328:23 330:4 331:4 336:13 <b>understandable</b> 14:4 <b>understanding</b> 21:17 22:3,5,14,15 22:24 26:3 35:14 35:18,20,21 39:8 39:14 42:9,9 44:9 56:11 59:9 69:17 72:7 73:4 106:13 107:4 110:1 139:5 139:7,17 144:9 152:3 189:18 190:14 224:13 239:24 250:5 268:6 301:21 330:3 331:11,14 335:3,15,22 336:4 <b>understood</b> 15:12 19:3 35:8 54:16 119:18 187:22 329:23 <b>undertreating</b> 198:5,8,21 <b>undone</b> 298:3 <b>unfair</b> 32:3 272:21 323:5 324:8,14 327:21 328:1	<b>unfortunately</b> 84:11 137:3 158:20 169:1 277:12 279:16 <b>unidentified</b> 191:18 286:5 <b>unintended</b> 291:24 <b>unit</b> 7:13 55:2 115:3 181:2 227:1 227:21 240:21 291:14 328:10 <b>united</b> 1:1 7:18 39:1 261:3 262:21 332:3 <b>units</b> 131:12 343:12 <b>universities</b> 62:12 <b>university</b> 60:7 62:17 63:5 65:5 68:12,14 71:12,12 79:20 80:7,9 90:16,17 94:9 95:10,16 119:23 120:4,17 121:14 121:18 125:9,10 <b>unnecessary</b> 155:13 156:3 204:14 217:12,17 220:20 260:10,11 260:13,15,21,24 261:6,13,21 262:3 262:4,9,11,13,17 <b>unrecognized</b> 196:16 <b>unrelenting</b> 140:18 <b>unretained</b> 233:24 234:6 <b>unsuspecting</b> 330:23	<b>unturned</b> 176:12 <b>unusual</b> 290:19 291:5 <b>update</b> 107:12 <b>updated</b> 5:20 303:17 <b>upper</b> 317:17 <b>upside</b> 293:4,10 <b>upstream</b> 45:11 72:22 137:13,18 139:1 176:17 265:19 <b>upward</b> 245:14 <b>urban</b> 69:1 <b>urge</b> 321:17 <b>use</b> 5:17 64:12 67:8,9 69:13 78:11 96:14 97:12 136:8 157:7 158:12 163:11 167:5 196:8 197:2 197:7 208:20 210:7 211:21 215:9,22 221:11 223:14,19 224:9 225:14,17 253:13 253:14,20,22,23 254:2 274:6,7 275:1,2,4,24 278:9 279:12 307:23 308:12 309:17 311:4,11,11,12 318:7 319:13,15 320:12 324:15 325:9,19 326:12 326:14 327:15,17 329:19 332:7 333:3,17 <b>user</b> 291:24 <b>users</b> 254:1 275:23 280:6 302:13
--	---	---	--

<b>uses</b> 104:21 143:1 292:8 <b>utilization</b> 274:23 <b>utilized</b> 66:24 <b>utilizing</b> 75:7 78:19	<b>verified</b> 248:4 320:5 <b>verify</b> 250:12 315:19 <b>veritext</b> 7:23 8:1 343:13 346:1,7 349:1 <b>veritext.com.</b> 346:17 <b>versed</b> 80:19 <b>version</b> 89:12 159:4 171:12 298:11,12 <b>versions</b> 298:9,11 <b>versus</b> 7:16 10:15 12:13 156:22 197:14 239:19 310:21 <b>vertical</b> 100:21 <b>vested</b> 95:16 <b>vice</b> 128:18 <b>victim</b> 76:6,8 340:15 <b>victims</b> 6:3 330:23 339:8 340:10 <b>video</b> 7:2,10,13 8:23 9:3 54:21 55:1 114:22 115:3 180:21 181:1,12 226:21 227:1,21 228:20 240:17,21 291:9,14 309:2 310:8,14 328:6,10 338:12 343:9 <b>videoconference</b> 1:19 <b>videographer</b> 3:8 7:24 309:3 310:9 <b>videotaped</b> 1:19 <b>vienna</b> 97:5	<b>view</b> 35:18 55:24 75:7 140:13 143:21,22 155:14 329:24 <b>viewing</b> 136:24 <b>views</b> 116:17 142:8 <b>violence</b> 252:19,19 <b>vioxx</b> 75:14 <b>virginia</b> 1:1 2:15 5:11 6:7 7:19 9:16 10:15,16 11:7,15 11:23 12:13 20:24 21:1 22:8,23 31:19 32:6 34:14 35:11 41:10,11 43:8,17 46:12 48:18 49:9,17 51:18 52:18 53:20 56:5 57:17 58:18 59:2 63:23 70:7,9 70:11 71:11,14,17 80:1,6 83:8,16 84:15,16,17 85:9 85:20 86:9 89:4 89:10 91:14,21,24 92:11 93:5 94:6,9 94:16 95:10,16 96:22 99:1,2,6 102:8 104:22,23 105:21 110:19 111:1,3,16,21,23 113:7,13,19 116:19 121:5,23 122:8 123:5,11 124:6,16 125:10 125:15 126:18 128:1,12 130:10 130:14,18,23,24 133:4 134:3,6 135:20 136:2,24	137:2 139:18 140:1 141:23 143:4 144:2 146:8 146:10 147:22 148:7 156:20 158:21 161:15 165:21 167:13 168:4,7 172:12 173:24 174:15,20 174:24 175:12,18 175:24 178:15 182:12 183:4,23 184:6,15 188:23 194:23 195:5,6,7 197:17 198:12,13 198:22 202:24 205:10 206:22 207:7 209:6 221:8 227:7,17 228:3,13 230:5,5 235:11 241:8,13,16,19 242:1 243:5,18 246:22 248:9 249:4,6 261:4,4 262:22 264:15 269:23,24 270:24 271:9,18,20 272:22,23 273:18 274:6 275:21 277:20 278:21 285:16,21 286:19 292:13 295:7 296:17,23 297:2 301:4,7,15 302:7 303:4 305:9 306:17 307:21 309:12,14 314:2,4 315:6,11 316:4,24 317:12,14 318:13 319:15 324:12,16 325:10,19,24
<b>v</b>			
<b>v</b> 5:4 12:5 346:6 347:3 348:3 <b>va</b> 148:16 222:9 <b>vaguely</b> 92:14 <b>valid</b> 209:16 <b>validate</b> 249:3 <b>validity</b> 13:1,4 <b>values</b> 246:1 <b>vanderbilt</b> 68:14 68:17 120:21 <b>variable</b> 195:18 334:8 <b>variables</b> 195:14 195:15,16 <b>varied</b> 167:21 <b>varies</b> 334:8 <b>variety</b> 192:23 337:6 <b>various</b> 64:9 65:17 66:4 69:18 70:19 70:22 102:10 122:22 166:6 170:11 197:16 241:20 252:20 296:7 305:8 335:18 337:11 <b>vary</b> 334:5 <b>vast</b> 282:17 283:2 305:24 306:1 <b>vein</b> 117:14 <b>veracity</b> 325:17 <b>verification</b> 320:22			



326:12,15 327:15 327:22 328:23 329:16 330:7,13 344:1,16 345:1,7 <b>virginia's</b> 5:17,22 58:21 59:18 96:9 135:14 205:5 251:12 303:20 308:13 309:18 <b>virginian</b> 45:22 <b>virginians</b> 43:9 54:5 103:7 106:24 198:15 324:3 325:4,6 327:19 <b>vision</b> 170:23 <b>visit</b> 123:24 <b>visitation</b> 285:17 <b>visiting</b> 94:14 121:17 123:9 <b>visits</b> 73:20,21 302:19 <b>vital</b> 78:13,20 79:3 79:5,8,9 318:14 <b>vividly</b> 133:17 <b>vocabulary</b> 197:8 <b>voice</b> 192:5 <b>volume</b> 34:4 35:23 36:1 42:10,23 43:1,4,7,12,13,14 43:15 45:10 46:4 46:15 47:18 82:16 103:18,21 113:6,9 113:14,15 134:10 146:16,19 147:1,7 147:17,18 150:17 150:18,19,21,23 151:2 155:23,24 156:19,21 157:13 166:2 168:5 204:11 259:22 260:3 261:9 275:5	275:9,9 325:1 <b>volumes</b> 325:6 <b>voluminous</b> 150:11 <b>voluntarily</b> 29:2 <b>volunteer</b> 276:7 <b>volunteering</b> 71:15 <b>vouch</b> 90:14 <b>vs</b> 1:6,13	277:8 281:22 287:9,19,19 290:1 298:13 304:16 316:20 318:24 323:15 327:2,23 336:16 338:16 <b>wanted</b> 18:24 26:23 52:5 98:8 108:11,17 124:24 126:21 129:10 173:20,23 182:23 187:22 210:15 252:10,17 271:17 286:13 290:23 297:14,17 323:13 <b>wanting</b> 164:5 176:1 325:11 <b>wants</b> 51:7 100:2 127:2 151:20 333:17 <b>ward</b> 69:21 <b>wards</b> 69:16 72:15 <b>warm</b> 176:1 <b>wars</b> 132:2 <b>warwood</b> 3:5 <b>washington</b> 2:12 2:21 <b>watch</b> 161:5 <b>water</b> 10:17 11:6,8 11:15 70:20 94:16 152:14 <b>way</b> 39:23 44:7 46:5 47:9,19 66:1 67:17 72:4 77:20 81:15 82:9 87:14 102:16 103:3,7,11 103:12 105:15 106:24 113:5,23 114:8 124:23 127:3,3 131:14 133:1 136:16	141:11 151:4,9,16 152:13,17,19 153:10 158:17,21 158:24 160:9,21 172:20 173:13,18 177:23 179:4,5 187:12 194:4 198:1 208:18 212:3,10 214:8 217:5 235:14 248:4 250:20 253:11 258:12 260:8 282:11 287:14 293:4,10 319:12 322:23 325:4,14 <b>ways</b> 46:16 102:10 125:2 135:3 138:12 150:8,15 153:11 158:16 159:10 170:16 173:12 262:2 <b>we've</b> 90:24 98:9 123:8 124:3 228:22 230:9 286:14 288:10 291:18 310:9 324:4,19 331:14 333:18 <b>weak</b> 226:17 <b>wealth</b> 34:5 <b>wearing</b> 176:3 <b>web</b> 136:6 <b>website</b> 36:19 <b>week</b> 5:21 37:7 94:14 303:18 <b>weekend</b> 74:4 <b>weekends</b> 76:18 <b>weekly</b> 73:21 <b>weeks</b> 19:21 160:24
	<b>w</b>		
	<b>wagoner</b> 5:19 303:16 341:4,5 <b>wait</b> 14:14 183:1 236:19 327:1 <b>waiting</b> 129:17,17 228:22 300:4 <b>waived</b> 37:3 346:19 <b>walk</b> 94:17 <b>want</b> 12:17 14:6 18:11 25:22 26:2 26:11,12 28:9 29:4,14 35:9 38:17 64:16,16 67:12 73:6 79:14 79:18 82:24 91:11 96:22 99:18 100:7 109:1,10 115:19 116:16 117:2,9 158:12 165:7,8 175:14,15 182:3 185:16 186:5 200:9,20 203:3 204:24 205:20 207:20 208:3,7 219:1,2,5,11 221:1 221:2 223:18,24 225:16 230:12 234:16 252:11 265:7 267:3 273:5		

<b>weightage</b> 208:23	125:15 126:18	308:13 309:12,14	119:3 181:8,9
<b>welcome</b> 247:5	128:1,12 130:10	309:17 314:2,4	234:6 323:6
322:18	130:14,17,23,24	315:5,11 316:4,23	328:15 344:7,10
<b>welfare</b> 45:5 174:8	133:4 134:3,6	317:12,14 318:13	346:8,11 347:1,4
<b>went</b> 46:20 124:20	135:14,20 136:2	319:15 324:2,12	347:11 348:1,4,15
142:14 143:8	136:23 137:2	324:16 325:4,6,9	<b>witnesses</b> 24:14
145:6 146:3,12	139:18,24 141:23	325:19,24 326:12	233:12 289:17
162:6 174:21	143:3 144:1 146:8	326:15 327:15,19	<b>witness'</b> 346:14
177:18 194:14	146:10 147:21	327:22 328:23	<b>woman</b> 264:21
228:20 248:14	148:7 156:20	329:16 330:7,13	276:9
293:15 307:23	158:21 161:15	344:1,15 345:1,7	<b>womb</b> 169:19,22
324:4	165:20 167:13	<b>whatsoever</b> 322:8	<b>women</b> 147:21
<b>west</b> 1:1 5:11,17	168:4,7 172:11	<b>wheeling</b> 3:5	169:6,8,14 173:13
5:22 6:7 7:19 9:16	173:24 174:15,20	<b>whispering</b> 7:5	173:16,17 175:2
10:15,16 11:7,14	174:23 175:11,18	<b>white</b> 89:3 97:22	319:18 320:8,13
11:23 12:13 21:1	175:23 178:15	174:4 316:21	<b>women's</b> 173:15
22:8,23 31:19	182:12 183:3,23	322:5,18	<b>wonder</b> 277:11
32:6 34:14 35:11	184:6,15 188:23	<b>wholesale</b> 49:4,15	<b>wood</b> 148:13
41:10,11 43:7,9,17	195:6 197:17	52:10 53:1,11,23	222:6 224:1
45:22 46:12 48:18	198:11,12,14,22	54:10 58:22 76:24	<b>woodwork</b> 150:14
49:8,16 51:18	202:24 205:5,10	77:3,6,12 80:21	<b>word</b> 158:13 244:6
52:18 53:19 54:5	206:22 207:7	246:12 247:7	247:7 260:1
56:5 57:16 58:17	209:6 221:8 227:6	250:10 258:18	267:17 316:19
58:21 59:1,18	227:17 228:2,13	268:12 269:15	<b>words</b> 21:24
63:22 70:7,9,11	230:5,5 235:11	274:2 294:20,23	200:20
71:11,14,16 80:1,6	241:8,12,16,18	<b>wife</b> 100:8	<b>work</b> 9:17 19:16
83:8,16 84:15,16	242:1 243:4,18	<b>wilkes</b> 232:21	20:3 22:17 31:5,7
84:17 85:9,20	246:22 249:4,6	<b>williams</b> 2:11 8:12	34:13 37:3,19
86:9 89:4,10	251:12 261:4,4	<b>wish</b> 180:6	39:19 41:9,18,23
91:14,21,24 92:11	262:22 264:15	<b>wit</b> 344:2 345:2	42:18 44:23 48:21
93:4 94:6,9,16	269:23,24 270:24	<b>withdraw</b> 207:19	51:15 59:8 79:9
95:10,15 96:9,22	271:9,18,20	<b>withdrawal</b>	89:19 90:17,24
98:24 99:2,5	272:22,23 273:18	153:15 168:15	91:6 98:9 123:5,7
102:8 103:6	274:6 275:21	170:10	123:10,20 124:1
104:22,23 105:21	277:20 278:21	<b>withdrawals</b>	124:15 128:14
106:24 110:19	285:15,21 286:19	170:9,11	130:7 133:9 135:4
111:1,2,16,21,23	292:13 295:7	<b>witness</b> 6:22 9:1,2	136:5 145:13
113:6,12,19	296:17,23 297:2	9:5 23:2,15 25:1	146:16 147:3,4
116:19 121:5,23	301:3,7,15 302:6	25:13 50:7,11,21	148:14 152:22
122:8 123:5,11	303:4,20 305:9	51:6 115:7,10	153:6 156:17
124:6,16 125:10	306:16 307:21	118:12,15,22	160:4 165:20

[work - zoom]

Page 69

167:12 170:18 173:4,4,8 177:5 200:3,11 201:4,9 220:12 222:7,9 224:1 229:7 232:20 234:4 242:5,12 243:10 249:15 251:4,5 273:10 286:18 289:1 331:13 <b>worked</b> 22:19 42:12 64:10 123:22 134:11 175:11 <b>worker</b> 5:20 303:18 <b>working</b> 44:12 45:22 73:4 81:15 128:12 130:12 135:3 148:16 151:15 173:2 183:15 201:13 216:11 273:9 289:18 310:20 <b>workings</b> 22:21 <b>works</b> 109:16 190:13 217:6 <b>world</b> 90:5 94:19 194:6 <b>worry</b> 161:9 <b>worst</b> 101:23 <b>write</b> 34:12 177:14 212:6,7 220:22 256:8 294:12 <b>writer</b> 261:1 <b>writing</b> 39:16 74:14 87:21 261:9 <b>written</b> 36:3 87:9 87:18,20 105:23 112:14 192:1 193:5 220:17	245:12 247:17,23 248:6 298:17 302:1,9 305:24 311:4,10,20 315:12 320:21 344:9 <b>wrong</b> 154:8 194:10 261:14 262:12 277:11 <b>wrote</b> 113:2 249:12,14 260:14 260:20 261:11,12 262:9,13,16,19 264:14 265:9 <b>wv</b> 2:8,16 3:5 5:3 5:5,7 12:5,7 299:12 320:8,10 320:11 344:20 <b>wvsma</b> 6:18 60:23 61:21 <b>wvu</b> 121:10 <b>x</b> <b>xponent</b> 111:9 112:3 <b>y</b> <b>yea</b> 187:1 <b>yeah</b> 51:5 62:5 73:23 144:3,16 179:9 180:3 182:20,20 185:14 207:18 212:18 221:20 238:15 240:14 270:7 287:6 290:24 291:4 297:19 <b>year</b> 60:4 63:2 73:18 97:21 122:16 124:11 125:4 126:11 127:19 143:17,17	156:18 158:22,23 171:18 174:18,18 174:19 175:7,8 190:7,9 192:14,24 194:11,13 204:7,8 214:23 243:13 246:4,9 260:22 270:2 276:9 331:14,21 340:11 340:16 342:18 343:2,2 <b>years</b> 9:23 36:17 40:4 41:4 54:15 64:10 65:2 75:5,5 78:23 93:2 95:7 95:22 97:23 120:12 130:12 157:11 159:19 167:7,8 171:5 192:16 193:1 194:7,12,15 198:4 201:11 214:18 246:8 259:15 274:11,14 281:22 296:10 <b>yesterday</b> 16:4,9 16:15,16 17:17 18:4,5,19 <b>york</b> 131:2 <b>z</b> <b>zero</b> 148:22,23 222:15,16 <b>zimmerman</b> 180:9 180:14 <b>zoom</b> 7:22 115:23
--	--	--

Federal Rules of Civil Procedure

Rule 30

(e) Review By the Witness; Changes.

(1) Review; Statement of Changes. On request by the deponent or a party before the deposition is completed, the deponent must be allowed 30 days after being notified by the officer that the transcript or recording is available in which:

(A) to review the transcript or recording; and

(B) if there are changes in form or substance, to sign a statement listing the changes and the reasons for making them.

(2) Changes Indicated in the Officer's Certificate. The officer must note in the certificate prescribed by Rule 30(f)(1) whether a review was requested and, if so, must attach any changes the deponent makes during the 30-day period.

DISCLAIMER: THE FOREGOING FEDERAL PROCEDURE RULES ARE PROVIDED FOR INFORMATIONAL PURPOSES ONLY.

THE ABOVE RULES ARE CURRENT AS OF APRIL 1, 2019. PLEASE REFER TO THE APPLICABLE FEDERAL RULES OF CIVIL PROCEDURE FOR UP-TO-DATE INFORMATION.

VERITEXT LEGAL SOLUTIONS  
COMPANY CERTIFICATE AND DISCLOSURE STATEMENT

Veritext Legal Solutions represents that the foregoing transcript is a true, correct and complete transcript of the colloquies, questions and answers as submitted by the court reporter. Veritext Legal Solutions further represents that the attached exhibits, if any, are true, correct and complete documents as submitted by the court reporter and/or attorneys in relation to this deposition and that the documents were processed in accordance with our litigation support and production standards.

Veritext Legal Solutions is committed to maintaining the confidentiality of client and witness information, in accordance with the regulations promulgated under the Health Insurance Portability and Accountability Act (HIPAA), as amended with respect to protected health information and the Gramm-Leach-Bliley Act, as amended, with respect to Personally Identifiable Information (PII). Physical transcripts and exhibits are managed under strict facility and personnel access controls. Electronic files of documents are stored in encrypted form and are transmitted in an encrypted fashion to authenticated parties who are permitted to access the material. Our data is hosted in a Tier 4 SSAE 16 certified facility.

Veritext Legal Solutions complies with all federal and State regulations with respect to the provision of court reporting services, and maintains its neutrality and independence regardless of relationship or the financial outcome of any litigation. Veritext requires adherence to the foregoing professional and ethical standards from all of its subcontractors in their independent contractor agreements.

Inquiries about Veritext Legal Solutions' confidentiality and security policies and practices should be directed to Veritext's Client Services Associates indicated on the cover of this document or at [www.veritext.com](http://www.veritext.com).